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THE

WEEKLY WEATHER REPORT

OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1895

(VOL. XII.—THIRD SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE, FOR EACH WEEK,

WITH MONTHLY SUPPLEMENTS AND FOUR APPENDICES,

TOGETHER WITH

MONTHLY AND ANNUAL MEAN VALUES FOR TEMPERATURE RAINFALL, AND BRIGHT SUNSHINE.

Published by the Authority of the Meteorological Council.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

And to be purchased, either directly or through any Bookseller, from
EYRE AND SPOTTISWOODE, East Harding Street, Fleet Street, E.C.; or
JOHN MENZIES & Co., 12, Hanover Street, Edinburgh, and
90, West Nile Street, Glasgow; or
HODGES, FIGGIS, & Co., Limited, 104, Grafton Street, Dublin.

1897.

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ERRATA.

Monthly Summaries.

January, p. iv.	Churchstoke.—Total rainfall, 4·13 ins.; difference + 1·27 ins. Edgeworthstown.—Total rainfall, 2·07 ins.; difference — 0·92 in.
February p. viii.	Scarborough.—Total rainfall, 1·61 ins.; difference — 0·10 in. Stonyhurst.—Total rainfall should be 0·55 in.; difference — 2·28 ins., and absolute rainfall, 0·26 in. on 23rd.
March, p. xii.	Scarborough.—Total rainfall, 1·57 ins.; difference — 0·32 in. Strathfield Turgiss.—Total rainfall, 1·44 ins.; difference — 0·12 in. Southampton.—Total rainfall, 2·04 ins.; difference + 0·02 in. Killarney.—Total rainfall, 5·10 ins.; and maximum of 1·58 ins. on 23rd.
April, p. xvi.	Cullompton.—Mean of minimum, 41°·0; mean of minimum and maximum combined, 48°·6; difference + 2°·2. Scarborough.—Total rainfall should be 1·16 ins.; difference — 0·79 in. Edgeworthstown.—Total rainfall, 1·69 ins.; difference — 0·61 in.
May, p. xx.	Durham.—Total rainfall, 0·82 in.; difference — 1·23 ins Manchester.—Total rainfall, 0·83 in.; difference — 1·58 ins. Edgeworthstown.—Total rainfall, 0·51 in.; difference — 1·93 ins.; maximum, 0·20 in. on 24th.
June, p. xxiv.	Roche's Point.—Total rainfall, 2·76 ins.; difference — 0·37 in. Durham.—Total rainfall should be 1·28 ins.; difference — 0·62 in. Bright sunshine, total number of hours, 222·9; difference + 60·9 hrs. Manchester.—Total rainfall, 1·48 ins.; difference — 1·53 ins.
July, p. xxviii.	Scarborough.—Total rainfall, 5·61 ins.; difference + 2·83 ins. Llandudno.—Total rainfall, 4·44 ins.; difference + 1·78 ins. Plymouth.—Total rainfall, 3·37 ins.; difference + 0·54 in.
August, p. xxxii.	Laudale.—Total rainfall, 6·73 ins.; difference + 1·49 ins. Churchstoke.—Total rainfall, 2·25 ins; difference — 0·46 in.
October, p. xl.	Hereford.—Total rainfall should be 2·23 ins.; difference — 0·55 in.
November, p. xliv.	Laudale.—Total rainfall should be 6·53 ins.; difference — 2·59 ins. Blackpool.—Total rainfall, 3·25 ins.; difference — 0·26 in.
December, p. xlviii.	Laudale.—Total rainfall, 7·04 ins.; difference — 2·30 ins. Edgeworthstown.—Total rainfall should be 4·11 ins.; difference + 0·89 in. Killarney.—Total rainfall should be 9·42 ins.

PREFACE.

In the Weekly Weather Report for 1895 the general arrangement of the weekly Remarks and Tabular matter is unaltered, and will be found on the first and second pages of each Report. The Charts cover the same area as those for last year, viz.: nearly the whole of Europe and the greater part of the Mediterranean.

Monthly Summaries of the observations made at the stations included in the Daily and Weekly Weather Reports again appear as a Supplement.

Appendices I. and II. are published, as hitherto—the former with some slight modification since 1891, and in Appendices III. and IV. values will be found for the three lustra 1881–85, 1886–90, 1891–95, and for the whole period of 15 years, 1881–95.

Tables giving the Means of Temperature, Rainfall and Bright Sunshine, to be used in the preparation of the Weekly Reports and Summaries, 1896–1900, brought up to the end of 1895 will be found on pp. vi to ix of this Preface.

The general arrangement of the Weekly Report is as follows:—

LIST OF DISTRICTS.

For the purposes of this Report the United Kingdom is divided into eleven Districts, which are shown on the accompanying map, distinguished by the numbers 0 to 10. The positions of the stations supplying information are marked on the map by black dots, and their names are given in the following list, arranged under the districts to which they belong:—

METEOROLOGICAL DISTRICTS.

0. SCOTLAND, N.—Sumburgh Head, Stornoway, Wick, Glencarron, Fort Augustus, Fort William.
1. SCOTLAND, E.—Nairn, Aberdeen, Braemar, Ochtertyre, Leith, Marchmont.
2. ENGLAND, N.E.—Alnwick Castle, Durham, Shields, Scarborough, York, Spurn Head.
3. ENGLAND, E.—Hillington, Yarmouth, Geldeston, Cambridge, Rothamsted.
4. MIDLAND COUNTIES.—Bawtry, Loughborough, Stamford, Cheadle, Solihull, Churchstoke, Hereford, Cirencester, Oxford.
5. ENGLAND, S.—London, North Foreland, Strathfield Turgiss, Dungeness, Hastings, Southampton, Hurst Castle, Stowell.
6. SCOTLAND, W.—Laudale (Loch Sunart), Glasgow, Ardrossan, Glenlee, Douglas (Isle of Man).
7. ENGLAND, N.W.—Stonyhurst, Blackpool, Manchester, Liverpool Observatory, Llandudno, Holyhead.
8. ENGLAND, S.W.—Llandovery, Pembroke, Bristol, Arlington, Cullompton, Falmouth, Plymouth, Prawle Point.
9. IRELAND, N.—Malin Head, Londonderry, Edenfel, Belmullet, Markree Castle, Brookeborough, Armagh, Donaghadee, Edgeworthstown.
10. IRELAND, S.—Dublin, Parsonstown, Kilkenny, Roche's Point, Valencia, Killarney, Foynes.

There are in addition two stations in the Channel Islands, viz., Scilly (St. Mary's), and Jersey (St. Aubin's), which cannot be conveniently placed in any of the Districts. Records of Sunshine, only, are given on the fourth page of each Report from many additional stations.

WEEKLY SUMMARY.

The Summary on the first page of each Report gives for each week and district the absolute *maximum* and *minimum* temperatures observed, the averages of both the daily extremes, the daily average, and its difference from the mean of the corresponding period, as derived from observations of the 20 years 1871–90, together with the values for "Accumulated" temperature above and below 42° F.

Daily Mean Temperature.

The daily mean Temperature shown in the Tables is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and the self-registering Observatories of the Meteorological Council.

The approximate Mean Daily Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima:—

Months.	Coefficient.
January December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example:

The mean maximum temperature for a week in December being	48·1
The mean minimum	39·3
The difference is	8·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean daily temperature of the week.

Accumulated Temperature.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show for each week, and for the whole period from the commencement of the year, the weekly and progressive values, respectively, of the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. The base adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects

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to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing, for a WEEKLY PERIOD, from the observed MAXIMA and MINIMA, the ACCUMULATED TEMPERATURE above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply:—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F., or *equal* to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in Rules 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0·4; for 52° F., 0·33; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

RAINFALL.

The Summary on the first page of each Report gives for each week and each District the number of rainy days, and the total fall of rain, as well as the progressive values reckoned from the commencement of the year, and the difference between these amounts and the means for the corresponding week in the 25 years 1866–90.

BRIGHT SUNSHINE.

The Summary on the first page gives for each week and each District the numbers of hours of sunshine recorded, and the per-centage of that time to the whole time during which the sun is above the horizon; also the progressive values reckoned from the commencement of the year, together with the difference between them and the mean for the corresponding period in the ten years 1881 to 1890.

SUPPLEMENT AND APPENDICES.

Supplement.—Consists of twelve Summaries of the results of the Observations made at the Stations included in the Daily and Weekly Weather Reports during each of the Calendar months. Each Summary is illustrated by a lithographed plate showing the distribution of Pressure, Air Temperature, and Rainfall during the month, and the prevalence of wind from various quarters.

Appendix I.—This contains (1) Summaries for each Quarter and for the whole year, of the Temperature and Rainfall records for each District, from 1866 to 1895, and (2) Tables giving for each district the monthly values for Rainfall, Accumulated Temperature (above and below 42° F.), and Bright Sunshine, as well as the progressive values for each from the commencement of the year, in continuation of the values given in Appendix I. for last year.

Appendix II. gives for the year 1895, and for each District, the weekly and progressive numbers of Rainy days, the Amounts of Rainfall, and the values for Accumulated Temperature (above and below 42° F.), and Bright Sunshine, in continuation of the values for the year 1894 printed in Appendix II. to the Weekly Weather Report for last year.

Appendix III.—Showing for each District, during each of the three Lustra and the whole period comprehended in the 15 years 1881–95, the weekly and progressive values for Rainfall, Accumulated Heat, and Bright Sunshine, in amplification of those published in 1891.

Appendix IV.—Showing in Degrees Fahrenheit, for each District, for the three Lustra and the whole period 1881–95, the Mean Temperature of the Air in each week of the year, in amplification of those published in 1891.

Tables showing for each degree of Latitude from 49° N. to 58° N., and for each Weekly and Monthly period, the total numbers of hours during which the Sun is above the Horizon, together with their Reciprocals, are given in the Preface to Vol. I., Second Series.

TABLE SHOWING THE REPORTS RECEIVED TOO LATE FOR INSERTION IN THEIR PROPER PLACES.

Date.	Names of Stations.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Per-centage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
December 14th	Churchstoke	51	27	45·2	30·8	38·2	−0·2	9	43	3	0·96	+0·25	11·5	+3·3	22	+6
„ „	Jersey	—	—	—	—	—	—	—	—	—	—	—	8·6	−3·7	15	−8
„ 21st	York	—	—	—	—	—	—	—	—	—	—	—	4·1	−1·6	8	−3
„ 28th	„	—	—	—	—	—	—	—	—	—	—	—	3·6	−2·2	7	−4
„ „	Tenby	—	—	—	—	—	—	—	—	—	—	—	0·0	?	0	?
„ „	Newquay	—	—	—	—	—	—	—	—	—	—	—	5·3	?	10	?

N.B.—The values for the earlier weeks have already appeared on the last page of the different weekly reports.

THE following is a LIST of the OBSERVERS who have furnished Information voluntarily for Publication in the WEEKLY WEATHER REPORT, 1895, together with the NAMES of their STATIONS and their ALTITUDE above the MEAN SEA LEVEL:—

Names of Stations.	Altitude above Mean Sea Level.	Names of Observers.	Remarks.
	Feet.		
Alnwick Castle	210	Humphrey J. Willyams, for the Duke of Northumberland, K.G.	
Arley Cottage (Co. Cavan).	?	Major S. H. Maxwell. F.R.A.S.	Sunshine only.
Arlington (North Devon).	613	W. Stewart, for Lady Chichester.	
Armagh	207	Staff of Observatory.	
Blackpool ℳ	31	A. J. Anderson.	
Braemar 𝒮	1,114	J. A. Aitken, J.P.	
Brighton	?	A. Newsholme, M.D.	Sunshine only.
Bristol (Montpelier).	96	J. H. Jones, F.R.A.S.	
Brookeborough	279	M. Ferguson, for Sir A. D. Brooke, Bt.	
Cheadle ℳ	646	J. C. Philips.	
Churchstoke ℳ	539	P. Wright, F.C.S., F. R. Met. Soc.	
Cirencester	446	The Royal Agricultural College.	
Cullompton ℳ	202	J. Turner, F. R. Met. Soc.	
Douglas, Isle of Man.	137	A. W. Moore, M.A., J.P.	
Dublin	51	J. W. Moore, M.D., F. R. Met. Soc.	
Durham	335	H. J. Carpenter.	
Eastbourne	? 120	R. Sheward, F. R. Met. Soc.	Sunshine only.
Edgeworthstown	265	J. M. Wilson, J.P.	
Edinburgh	262	R. C. Mossman	Sunshine only.
Falmouth	210	Staff of Observatory.	
Fort Augustus 𝒮	75	Rev. M. Wall.	
Fort William 𝒮	37	R. T. Omond for Directors of Obsy.	
Foynes	108	W. Ward, for Lord Monteagle, K.P.	
Geldeston	37	E. T. Dowson, F. R. Met. Soc.	
Glasgow	184	Staff of Observatory.	
Glencarron 𝒮	504	D. D. Munro, for Lord Maclaren.	
Glenlee 𝒮	230	W. Melville for Prince Smith.	
Guernsey	222	F. E. Carey, M.D., F. R. Met. Soc.	Sunshine only
Hastings	116	H. Colborne, M.R.C.S.	
Hereford ℳ	274	T. A. Chapman, M.D.	
Hesley Hall, Bawtry	65	B. J. Whitaker.	
Hillington ℳ	88	Rev. H. E. B. Ffolkes, M.A., F. R. Met. Soc.	
Kilkenny	212	H. Carlton, for the Marquis of Ormonde, K.P.	
Killarney	110	The Ven. Archdeacon Wynne.	
Laudale	14	A. Fletcher, for T. G. H. Newton, M.A., F. R. Met. Soc.	
Llandovery	217	J. Watkins, F. R. Met. Soc.	
Llandudno ℳ	79	J. Nicol, M.D., F. R. Met. Soc.	
Londonderry	93	J. Conroy, F. R. Met. Soc.	
Manchester	190	J. Niven, M.A., M.B.	
Marchmont 𝒮	500	P Loney and J. S. Wood, for Sir H. P. Campbell, Bt.	
Margate	134	J. Stokes, F. R. Met. Soc.	Sunshine only.
Markree Castle	131	A. Marth, F.R.A.S., for Col. Cooper, F.R.A.S.	
Newquay	200	J. Pearce	Sunshine only.
Ochtertyre 𝒮	333	G. Croucher.	
Omagh (Edenfel)	300	Col. Buchanan, F. R. Met. Soc.	
Oswaldkirk	510	R. Thompson	Sunshine only.
Plymouth	125	H. Victor Prigg.	
Prestwich	294	T. R. H. Clunn, M.D., F. R. Met. Soc.	
Rothamsted	368	Sir J. B. Lawes, Bart., LL.D., F.R.S., Sir J. H. Gilbert, Ph. D., F.R.S., and T. Wilson, F. R. Met. Soc.	
Scarborough ℳ	157	Dr. H. G. H. Monk.	
Southampton	74	J. T. Cook, R.E., the Ordnance Survey Office.	
Stonyhurst	360	Staff of Observatory.	
Stowell ℳ	376	Rev. H. J. Poole, F. R. Met. Soc.	
Strathfield Turgiss ℳ	195	Rev. C. H. Griffith, M.A.	
Tenby	?	J. E. Gower	Sunshine only.
Thurcaston	253	Rev. T. A. Preston, M.A., F. R. Met. Soc.	Sunshine only.
Torquay	286	A. Chandler, F. R. Met. Soc.	Sunshine only.
Westbourne	30	L. B. Birkett	Sunshine only.
Worksop	112	H. Mellish, J.P., F. R. Met. Soc.	Sunshine only.
York	105	J. E. Clark, B.A.	Sunshine only.

Stations marked "ℳ" report through the Royal Meteorological Society; those marked "𝒮" through the Scottish Meteorological Society.
NOTE.—In cases where "Sunshine only" is received the altitudes quoted were those of the Recorders, not of the ground.

The Tables following give the Mean Values for Temperature, Rainfall, and Bright Sunshine which have been used in preparing the Reports and Summaries, since the close of 1895.

TABLE I.—Showing for the Stations included in the Weekly Weather Reports and Monthly Summaries the Mean Values of Whole Year, derived from Observations

(Issued in continuation of those published in the Preface

Stations.	January.			February.			March.			April.			May.			June.			July.		
	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Sumburgh Head	42·5	35·2	38·9	42·2	34·4	38·3	42·8	34·0	38·4	46·2	36·9	41·6	50·3	40·3	45·3	54·6	45·0	49·8	57·5	48·3	52·9
Stornoway	42·9	34·0	38·5	43·6	34·2	38·9	44·9	34·2	39·6	49·2	37·1	43·2	53·5	41·0	47·3	58·2	46·0	52·1	60·2	49·0	54·6
Wick	42·0	32·9	37·5	42·9	32·9	37·9	44·9	33·8	39·4	49·3	37·0	43·2	53·9	40·7	47·3	58·9	45·5	52·2	61·6	48·9	55·3
Glencarron	41·7	32·0	36·9	42·5	31·2	36·9	44·4	32·0	38·2	50·0	36·0	43·0	56·7	39·8	48·3	60·9	46·7	53·8	61·5	48·9	55·2
Fort Augustus	43·1	32·8	38·0	44·2	32·5	38·4	45·8	33·4	39·6	51·8	37·6	44·7	57·3	42·3	49·8	62·3	47·7	55·0	64·1	49·6	56·9
Fort William	43·2	33·4	38·3	44·5	33·4	39·0	46·9	33·9	40·4	51·5	38·7	45·1	57·4	42·9	50·2	62·3	47·5	54·9	63·7	50·3	57·0
Nairn	42·0	32·2	37·1	43·4	32·5	38·0	45·9	33·4	39·7	51·4	36·9	44·2	56·6	41·9	49·3	62·3	47·3	54·8	64·3	50·6	57·5
Aberdeen	42·0	32·8	37·4	43·1	33·3	38·2	45·7	34·3	40·0	49·6	38·0	43·8	54·9	41·9	48·4	61·0	47·2	54·1	63·6	50·7	57·2
Braemar	39·4	28·5	34·0	40·4	29·2	34·8	42·9	29·9	36·4	48·2	33·5	40·9	54·5	37·9	46·2	61·4	43·8	52·6	62·6	47·2	54·9
Ochtertyre	41·6	31·1	36·4	43·5	32·1	37·8	46·6	33·2	39·9	52·6	36·7	44·7	58·8	41·2	50·0	65·1	46·9	56·0	66·6	50·3	58·5
Leith	43·9	33·3	38·6	45·5	33·9	39·7	48·0	34·4	41·2	52·2	37·9	45·1	57·8	42·4	50·1	63·9	48·0	56·0	66·4	51·2	58·8
Marchmont	41·1	30·5	35·8	42·7	31·4	37·1	45·6	32·5	39·1	50·2	35·8	43·0	56·0	40·2	48·1	62·2	45·7	54·0	64·8	49·2	57·0
Alnwick Castle	41·3	33·1	37·2	42·5	34·0	38·3	44·9	35·0	40·0	48·1	37·8	43·0	53·7	42·2	48·0	60·1	48·1	54·1	63·5	51·6	57·6
Durham	41·3	31·3	36·3	43·4	32·4	37·9	47·0	33·2	40·1	51·9	36·2	44·1	57·8	40·4	49·1	65·0	46·5	55·8	68·3	50·3	59·3
Shields	42·7	33·5	38·1	43·9	34·4	39·2	46·2	34·8	40·5	49·3	38·4	43·9	54·5	42·7	48·6	60·6	48·5	54·6	63·9	51·9	57·9
Scarborough	41·9	34·0	38·0	43·3	35·0	39·2	46·1	35·8	41·0	49·9	39·4	44·7	55·4	43·5	49·5	61·6	49·7	55·7	65·5	53·0	59·3
York	42·2	31·9	37·1	44·4	33·2	38·8	48·4	33·8	41·1	54·0	37·5	45·8	59·9	42·3	51·1	66·2	48·4	57·3	68·5	51·8	60·2
Spurn Head	41·2	34·0	37·6	42·2	35·4	38·8	44·8	36·4	40·6	48·6	40·2	44·4	54·3	45·0	49·7	60·3	51·1	55·7	64·8	54·9	59·9
Hillington	41·5	31·0	36·3	44·1	32·7	38·4	49·2	33·5	41·4	54·7	37·3	46·0	60·7	41·8	51·3	67·5	47·7	57·6	70·6	51·3	61·0
Yarmouth	40·9	33·0	37·0	42·3	34·0	38·2	45·2	35·3	40·3	49·2	40·0	44·6	55·3	44·8	50·1	61·9	51·0	56·5	66·2	54·8	60·5
Geldeston	42·6	32·3	37·5	44·1	33·6	38·9	48·5	34·3	41·4	53·3	38·0	45·7	59·5	42·5	51·0	65·7	48·5	57·1	69·6	52·2	60·9
Cambridge	42·7	30·9	36·8	45·5	32·1	38·8	50·6	32·9	41·8	56·7	37·1	46·9	62·4	42·1	52·3	68·8	48·4	58·6	71·6	52·1	61·9
Rothamsted	41·4	31·5	36·5	43·6	32·9	38·3	48·5	33·5	41·0	54·5	37·0	45·8	60·2	41·8	51·0	66·8	48·2	57·5	69·7	51·5	60·6
Bawtry	41·9	31·6	36·8	44·6	33·2	38·9	48·6	33·8	41·2	55·0	37·2	46·1	60·9	41·5	51·2	67·2	47·9	57·6	69·9	51·0	60·5
Loughborough	42·5	31·7	37·1	45·2	33·0	39·1	49·8	33·8	41·8	55·7	37·7	46·7	61·9	42·6	52·3	68·6	48·8	58·7	71·1	52·5	61·8
Stamford (KettonHall)	42·6	29·8	36·2	45·4	32·0	38·7	50·3	32·7	41·5	55·8	37·4	46·6	62·0	42·0	52·0	68·6	47·4	58·0	71·3	52·1	61·7
Cheadle	40·5	31·6	36·1	42·5	32·8	37·7	46·5	33·7	40·1	52·4	37·2	44·8	57·6	41·7	49·7	63·6	47·6	55·6	65·6	51·0	58·3
Churchstoke	42·5	31·9	37·2	44·3	33·1	38·7	47·6	33·3	40·5	53·0	36·1	44·6	58·9	40·5	49·7	65·1	46·6	55·9	66·9	49·8	58·4
Hereford	43·3	32·5	37·9	45·4	33·8	39·6	49·7	34·7	42·2	55·1	38·1	46·6	61·6	42·6	52·1	68·1	48·7	58·4	69·9	51·6	60·8
Cirencester	42·1	31·6	36·9	44·0	32·6	38·3	48·0	33·2	40·6	54·1	36·9	45·5	60·1	41·5	50·8	66·4	47·3	56·9	68·5	50·9	59·7
Oxford	42·5	32·9	37·7	44·9	34·2	39·6	49·3	34·5	41·9	55·2	38·8	47·0	61·0	43·5	52·3	67·1	49·9	58·5	69·4	53·3	61·4
London	43·4	33·2	38·3	45·5	34·5	40·0	50·1	35·2	42·7	56·6	39·8	48·2	62·6	44·5	53·6	69·2	50·6	59·9	72·0	54·0	63·0
Strathfield Turgiss	42·7	31·5	37·1	45·3	33·3	39·3	50·3	33·7	42·0	56·7	37·5	47·1	63·0	41·8	52·4	69·1	47·9	58·5	71·8	51·6	61·7
Dover	42·9	34·7	38·8	44·2	35·5	39·9	46·5	36·6	41·6	51·4	41·4	46·4	57·2	46·4	51·8	63·0	52·3	57·7	66·7	56·0	61·4
Hastings	42·8	34·9	38·9	43·9	36·0	40·0	47·4	36·9	42·2	52·9	41·1	47·0	58·4	45·5	52·0	63·8	51·3	57·6	66·8	54·9	60·9
Southampton	43·8	34·5	39·2	46·1	35·7	40·9	50·3	36·3	43·3	56·2	40·3	48·3	62·0	44·8	53·4	67·9	50·9	59·4	70·3	54·2	62·3
Hurst Castle	44·4	35·6	40·0	45·4	36·3	40·9	47·9	37·1	42·5	52·8	41·3	47·1	59·0	45·9	52·5	64·6	52·0	58·3	67·7	55·5	61·6
Stowell	42·9	33·2	38·1	45·7	34·5	40·1	48·7	35·3	42·0	55·1	38·5	46·8	60·8	42·7	51·8	66·2	49·2	57·7	67·0	52·2	59·6
Laudale	44·4	34·8	39·6	44·5	35·2	39·9	47·1	35·8	41·5	52·6	38·9	45·8	57·4	43·4	50·4	62·5	48·5	55·5	63·6	51·2	57·4
Glasgow	42·1	33·8	38·0	43·1	34·7	38·9	45·5	35·1	40·3	51·3	38·4	44·9	57·1	42·8	50·0	63·1	48·1	55·6	64·4	51·0	57·7
Ardrossan	43·7	35·7	39·7	44·4	35·9	40·2	46·4	36·1	41·3	51·7	39·4	45·6	56·6	43·9	50·3	62·1	49·4	55·8	63·5	52·7	58·1
Glenlee	41·8	32·0	36·9	42·6	33·8	38·2	46·9	33·3	40·1	52·7	36·3	44·5	58·2	41·2	49·7	64·3	46·1	55·2	65·8	50·2	58·0
Douglas	44·1	36·2	40·2	44·8	36·5	40·7	46·7	36·4	41·6	51·5	39·1	45·3	56·7	43·0	49·9	62·3	48·0	55·2	63·8	51·1	57·5
Stonyhurst	41·7	32·7	37·2	43·7	33·8	38·8	46·7	34·2	40·5	52·9	37·7	45·3	58·5	42·4	50·5	64·7	48·2	56·5	66·4	51·3	58·9
Blackpool	42·4	33·1	37·8	44·0	34·5	39·3	46·9	35·4	41·2	53·3	38·5	45·9	58·4	43·2	50·8	64·1	49·1	56·6	66·2	53·2	59·7
Manchester	42·1	32·6	37·4	44·1	33·4	38·8	47·5	34·4	41·0	53·5	38·0	45·8	58·7	42·3	50·5	65·1	48·1	56·6	66·9	51·2	59·1
Liverpool	43·0	34·7	38·9	44·3	35·7	40·0	47·2	36·7	42·0	53·0	40·4	46·7	58·2	45·1	51·7	64·0	51·1	57·6	65·9	54·1	60·0
Llandudno	45·3	36·5	40·9	46·2	37·1	41·7	48·4	37·7	43·1	53·3	40·8	47·1	58·3	45·1	51·7	64·0	50·9	57·5	66·3	53·9	60·1
Holyhead	45·1	38·2	41·7	45·4	38·3	41·9	47·4	38·8	43·1	51·7	42·0	46·9	56·3	46·1	51·2	61·7	51·3	56·5	63·7	54·2	59·0
Llandovery	43·9	31·1	37·5	45·3	32·7	39·0	49·3	34·8	42·1	55·3	37·3	46·3	60·7	42·8	51·8	66·3	47·8	57·1	67·3	51·2	59·3
Pembroke	45·1	39·0	42·1	45·3	39·0	42·2	46·6	39·0	42·8	50·7	42·0	46·4	55·1	46·0	50·6	60·5	51·6	56·1	62·4	54·8	58·6
Arlington	43·8	35·6	39·7	45·3	36·3	40·8	47·0	34·8	40·9	51·5	38·7	45·1	58·0	43·3	50·7	62·7	49·2	56·0	65·0	53·0	59·0
Cullompton	44·0	34·7	39·4	46·7	35·3	41·0	50·3	37·3	43·8	56·3	39·6	48·0	61·5	43·3	52·4	66·6	49·3	58·0	69·8	52·7	61·3
Falmouth	46·6	39·6	43·1	47·1	40·2	43·7	48·5	40·1	44·3	52·2	43·2	47·7	57·1	46·8	52·0	62·8	52·2	57·5	65·3	55·0	60·2
Plymouth	46·3	36·7	41·5	47·6	37·6	42·6	50·1	38·0	44·1	55·1	42·0	48·6	60·5	46·4	53·5	65·8	52·2	59·0	67·7	55·0	61·4
Prawle Point	45·7	37·0	41·4	46·6	37·8	42·2	48·2	37·7	43·0	52·3	41·1	46·7	56·9	45·4	51·2	61·7	50·7	56·2	64·4	53·8	59·1
Malin Head	45·0	37·6	41·3	45·5	38·3	41·9	46·5	38·5	42·5	50·1	41·7	45·9	54·3	45·5	49·9	59·0	50·8	54·9	60·9	53·5	57·2
Londonderry	44·3	34·8	39·6	46·4	35·7	41·1	48·9	36·2	42·6	54·4	39·4	46·9	59·6	43·5	51·6	65·2	48·8	57·0	65·8	51·3	58·6
Edenfel (Omagh)	42·3	32·4	37·4	44·2	33·5	38·9	46·7	34·4	40·6	52·3	37·2	44·8	57·8	41·4	49·6	63·2	47·2	55·2	64·2	50·0	57·1
Belmullet	46·4	38·7	42·6	47·2	38·8	43·0	48·4	39·3	43·9	52·2	42·7	47·5	55·7	46·3	51·0	60·8	51·4	56·1	62·2	53·8	58·0
Markree Castle	44·5	33·6	39·1	46·2	34·6	40·4	48·9	35·0	42·0	54·0	37·9	46·0	57·9	41·7	49·8	63·1	47·0	55·1	64·5	49·9	57·2
Brookeborough	43·1	32·9	38·0	45·1	33·9	39·5	47·5	34·2	40·9	53·0	37·6	45·3	58·1	41·7	49·9	63·7	47·5	55·6	64·6	50·3	57·5
Armagh	42·9	33·9	38·4	44·9	34·8	39·9	47·4	35·1	41·3	52·5	38·2	45·4	58·0	42·8	50·4	63·7	48·4	56·1	65·1	51·2	58·2
Donaghadee	44·2	35·8	40·0	45·5	36·6	41·1	47·3	37·1	42·2	51·2	40·5	45·9	56·1	44·6	50·4	61·5	49·7	55·6	63·2	52·2	57·7
Edgeworthstown	43·8	32·7	38·3	44·9	34·1	39·5	47·9	34·1	41·0	54·9	37·1	46·0	59·2	41·7	50·5	65·8	47·7	56·8	65·4	50·1	57·8
Dublin	45·5	36·8	41·2	46·8	37·8	42·3	49·0	38·0	43·5	53·3	41·2	47·3	58·7	45·3	52·0	64·3	50·9	57·6	66·3	53·6	60·0
Parsonstown	45·0	33·6	39·3	46·8	35·1	41·0	49·9	34·9	42·4	54·9	38·2	46·6	59·7	42·8	51·3	64·9	48·5	56·7	66·2	51·4	58·8
Kilkenny	45·8	35·3	40·6	46·8	36·8	41·8	50·2	36·5	43·4	54·5	39·9	47·2	59·6	43·8	51·7	64·0	50·2	57·1	66·7	52·0	59·4
Roche's Point	47·3	38·9	43·1	48·2	39·4	43·8	49·7	39·5	44·6	53·8	42·4	48·1	58·7	46·3	52·5	64·3	51·3	57·8	65·8	53·3	59·6
Valencia	49·0	39·8	44·4	49·5	40·3	44·9	51·0	40·3	45·7	54·3	43·0	48·7	58·1	46·5	52·3	62·5	51·2	56·9	63·9	53·6	58·8
Killarney	47·9	38·2	43·1	48·5	38·3	43·4	51·1	38·7	44·9	54·0	41·2	47·6	59·0	45·2	52·1	62·7	50·4	56·6	65·1	52·2	58·7
Foynes	46·1	35·6	40·9	47·4	38·3	42·9	50·6	36·6	43·6	54·8	39·6	47·2	57·6	44·6	51·1	63·8	49·6	56·7	64·6	51·3	58·0
Scilly (St. Mary's)	48·5	42·3	45·4	48·6	42·4	45·5	49·5	42·3	45·9	52·3	44·9	48·6	56·4	48·3	52·4	61·5	53·2	57·4	64·4	56·2	60·3
Jersey	45·6	37·9	41·8	46·8	38·8	42·8	49·7	39·8	44·8	54·7	43·7	49·2	59·7	47·4	53·6	64·9	52·8	58·9	68·2	56·3	62·3

Note.—When the records available have not extended over the whole of the period 1871 to 1895, the following
(1.) Where the observations available have not covered a period of 11 years or more, they have been
(2.) When the observations have covered a period of 11 years or more the means have been reduced
(3.) In the case of Foynes, however, the values given are corrected from the means of 10 years only.

the DAILY MAXIMUM and MINIMUM TEMPERATURES, and of the MAXIMUM and MINIMUM COMBINED, for EACH MONTH and for the extending over the 25 Years 1871–95.

to the Weekly Weather Report for 1891.)

August.			September.			October.			November.			December.			Annuals.			Limits of Years the Actual Observations for which have been Employed.	Number of Years.	STATIONS.
Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.			
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°			
57·7	48·5	53·1	55·0	46·1	50·6	49·7	41·6	45·7	45·8	38·2	42·0	42·8	35·5	39·2	48·9	40·3	44·7	1871–1895	25	Sumburgh Head.
59·8	49·1	54·5	56·5	45·8	51·2	50·8	40·3	45·6	46·4	37·1	41·8	43·3	34·4	38·9	50·8	40·2	45·5	„ „	25	Stornoway.
61·2	48·6	54·9	57·8	45·7	51·8	51·6	40·4	46·0	46·2	36·4	41·3	42·4	33·0	37·7	51·1	39·7	45·4	1872–1895	24	Wick.
61·4	48·8	55·1	58·4	44·1	51·3	51·1	39·1	45·1	45·2	35·1	40·2	41·1	31·7	36·4	51·2	38·8	45·0	1885–1895	11	Glencarron.
63·6	50·4	57·0	61·3	45·5	53·4	53·3	40·1	46·7	46·6	36·4	41·5	42·6	32·7	37·7	53·0	40·1	46·6	1884–1895	12	Fort Augustus.
63·7	51·1	57·4	60·9	46·4	53·7	53·6	40·9	47·3	47·4	37·1	42·3	43·8	34·1	39·0	53·2	40·8	47·0	„ „	12	Fort William.
63·6	50·1	56·9	59·5	46·2	52·9	51·9	40·0	46·0	45·7	35·5	40·6	42·2	32·4	37·3	52·4	39·9	46·2	1871–1895	25	Nairn.
63·1	50·2	56·7	59·3	46·6	53·0	52·3	41·1	46·7	46·3	36·7	41·5	42·0	32·8	37·4	51·9	40·5	46·2	„ „	25	Aberdeen.
61·3	46·6	54·0	56·9	42·6	49·8	49·1	37·0	43·1	43·0	32·7	37·9	39·7	28·6	34·2	50·0	36·5	43·2	„ „	25	Braemar.
65·6	49·5	57·6	60·9	45·6	53·3	53·0	39·5	46·3	46·1	35·1	40·6	41·9	31·3	36·6	53·5	39·4	46·5	1873–1895	23	Ochtertyre.
65·8	51·3	58·6	62·0	47·5	54·8	54·5	41·4	48·0	48·2	37·1	42·7	44·1	33·7	38·9	54·4	41·0	47·7	1871–1895	25	Leith.
64·1	48·8	56·5	59·9	45·0	52·5	51·8	39·5	45·7	45·4	34·8	40·1	41·1	31·0	36·1	52·1	38·7	45·4	„ „	25	Marchmont.
62·9	51·3	57·1	58·7	47·6	53·2	51·8	41·9	46·9	46·2	37·6	41·9	41·8	33·8	37·8	51·3	41·2	46·3	„ „	25	Alnwick Castle.
67·0	50·0	58·5	61·8	46·4	54·1	53·4	40·4	46·9	46·6	36·0	41·3	41·8	32·0	36·9	53·8	39·6	46·7	„ „	25	Durham.
63·9	51·7	57·8	60·1	48·2	54·2	53·2	42·2	47·7	47·6	38·0	42·8	43·1	33·9	38·5	52·4	41·5	47·0	„ „	25	Shields.
64·6	52·9	58·8	60·4	49·8	55·1	53·0	43·7	48·4	47·3	39·1	43·2	42·6	34·6	38·6	52·6	42·5	47·6	1872–1895	24	Scarborough.
67·8	51·4	59·6	63·2	47·5	55·4	54·4	41·0	47·7	47·7	36·6	42·2	42·5	32·4	37·5	54·9	40·7	47·8	1871–1895	25	York.
64·4	54·9	59·7	60·7	52·5	56·6	53·3	45·5	49·4	47·1	40·4	43·8	42·6	35·4	39·0	52·0	43·8	47·9	1880–1895	16	Spurn Head.
69·9	51·0	60·5	64·7	47·2	56·0	55·5	41·3	48·4	47·8	36·6	42·2	41·9	31·9	36·9	55·7	40·3	48·0	1871–1895	25	Hillington.
66·3	54·7	60·5	62·3	51·3	56·8	54·3	44·6	49·5	47·7	39·2	43·5	42·2	33·8	38·0	52·8	43·0	48·0	1872–1895	24	Yarmouth.
69·4	51·9	60·7	64·8	48·7	56·8	56·1	42·5	49·3	48·8	37·9	43·4	43·2	32·9	38·1	55·5	41·3	48·4	1880–1895	16	Geldeston.
71·1	51·9	61·5	66·0	47·9	57·0	56·4	40·9	48·7	48·9	36·0	42·5	43·2	31·6	37·4	57·0	40·3	48·7	1871–1895	25	Cambridge.
69·0	51·4	60·2	63·9	47·4	55·7	54·7	40·9	47·8	47·8	36·4	42·1	42·5	32·5	37·5	55·2	40·4	47·9	1872–1895	24	Rothamsted.
68·9	50·7	59·8	64·2	46·6	55·4	54·6	40·3	47·5	47·9	36·3	42·1	42·4	32·0	37·2	55·5	40·2	47·9	1880–1895	16	Bawtry.
70·3	52·0	61·2	65·4	47·6	56·5	55·6	40·9	48·3	48·4	36·7	42·6	43·0	32·3	37·7	56·5	40·8	48·7	1871–1895	25	Loughborough.
70·7	51·6	61·2	65·6	47·1	56·4	55·9	41·0	48·5	48·3	36·5	42·4	42·5	31·2	36·9	56·6	40·1	48·4	1884–1895	12	Stamford (Ketton Hall).
65·2	50·5	57·9	60·9	47·3	54·1	52·5	40·6	46·6	46·1	36·4	41·3	41·1	32·2	36·7	52·9	40·2	46·6	1875–1895	21	Cheadle.
66·7	49·7	58·2	62·1	46·1	54·1	53·6	40·2	46·9	47·4	36·3	41·9	43·2	32·6	37·9	54·3	39·7	47·0	1876–1895	20	Churchstoke.
69·7	51·2	60·5	64·5	47·2	55·9	55·2	41·1	48·2	48·8	37·5	43·2	43·8	33·1	38·5	56·3	41·0	48·7	„ „	20	Hereford.
68·1	49·6	58·9	63·2	46·8	55·0	54·1	40·6	47·4	47·4	36·2	41·8	42·9	31·8	37·4	54·9	39·9	47·4	1878–1895	18	Cirencester.
69·1	53·0	61·1	64·3	48·8	56·6	55·4	42·0	48·7	48·5	37·7	43·1	43·2	33·6	38·4	55·8	41·9	48·9	1871–1895	25	Oxford.
71·6	53·5	62·6	66·5	49·6	58·1	56·6	42·7	49·7	49·6	38·3	44·0	44·3	34·0	39·2	57·3	42·5	49·9	„ „	25	London.
71·3	51·5	61·4	65·9	47·3	56·6	56·5	40·7	48·6	49·0	36·6	42·8	43·3	32·3	37·8	57·1	40·5	48·8	„ „	25	Strathfield Turgiss.
67·3	56·6	62·0	63·7	53·2	58·5	56·3	46·1	51·2	49·7	40·9	45·3	44·7	35·9	40·3	54·5	44·6	49·6	1872–1895	24	Dover.
67·5	55·5	61·5	64·0	52·4	58·2	56·1	45·7	50·9	49·5	40·7	45·1	44·4	36·1	40·3	54·8	44·3	49·6	1875–1895	21	Hastings.
70·3	54·0	62·2	65·8	50·4	58·1	57·2	43·7	50·5	50·1	39·4	44·8	44·9	35·2	40·1	57·1	43·3	50·2	1871–1895	25	Southampton.
68·1	56·0	62·1	64·6	52·3	58·5	57·1	45·8	51·5	50·7	41·0	45·9	45·9	36·7	41·3	55·7	44·6	50·2	1874–1895	22	Hurst Castle.
69·7	52·5	61·1	64·9	40·0	57·0	55·4	40·7	48·1	48·9	38·0	43·5	43·3	32·2	37·8	55·7	41·5	48·6	1884–1895	12	Stowell.
63·0	51·2	57·1	59·4	47·5	53·5	53·3	41·9	47·6	48·1	38·2	43·2	45·2	35·4	40·3	53·4	41·8	47·7	1879–1895	17	Laudale.
63·3	50·8	57·1	59·0	47·1	53·1	51·8	41·4	46·6	46·1	37·3	41·7	42·4	34·0	38·2	52·4	41·2	46·8	1871–1895	25	Glasgow.
63·4	52·8	58·1	59·7	49·4	54·6	53·5	43·4	48·5	47·9	39·2	43·6	44·7	36·2	40·5	53·1	42·8	48·0	1872–1895	24	Ardrossan.
64·8	49·4	57·1	61·3	45·3	53·3	53·3	40·3	46·8	47·1	35·1	41·1	42·1	32·8	37·5	53·4	39·7	46·6	1883–1895	13	Glenlee.
63·2	51·2	57·2	60·2	47·9	54·1	53·8	42·8	48·3	48·8	40·0	44·4	45·8	36·9	41·4	53·5	42·4	48·0	1878–1895	18	Douglas.
65·6	51·3	58·5	61·5	47·6	54·6	53·0	41·6	47·3	47·3	37·4	42·4	42·5	33·0	37·8	53·7	40·9	47·4	1871–1895	25	Stonyhurst.
65·9	53·0	59·5	61·2	49·5	55·4	54·4	43·1	48·8	47·9	38·5	43·2	43·4	34·6	39·0	54·0	42·1	48·1	1880–1895	16	Blackpool.
66·5	51·3	58·9	62·2	47·6	54·9	54·0	41·5	47·8	47·6	37·2	42·4	42·5	32·8	37·7	54·2	40·9	47·6	1871–78 & 1882–95	22	Manchester.
65·6	54·3	60·0	61·5	50·9	56·2	53·7	44·5	49·1	48·0	39·7	43·9	43·8	35·7	39·8	54·0	43·6	48·8	1871–1895	25	Liverpool.
66·1	54·2	60·2	62·4	51·3	56·9	55·2	45·4	50·3	49·9	41·1	45·5	46·0	37·6	41·8	55·1	44·3	49·7	„ „	25	Llandudno.
64·0	54·7	59·4	60·8	52·5	56·7	54·6	47·0	50·8	49·8	42·9	46·4	46·5	39·2	42·9	53·9	45·4	49·7	1872–1895	24	Holyhead.
68·3	50·8	59·6	64·3	46·3	55·3	55·1	40·1	47·6	49·0	37·2	43·1	44·0	32·3	38·2	55·7	40·4	48·1	1885–1895	11	Llandovery.
63·0	55·6	59·3	60·3	53·1	56·7	54·7	47·8	51·3	50·3	43·6	47·0	47·0	40·5	43·8	53·4	46·0	49·7	1872–1895	24	Pembroke.
65·8	51·9	58·9	62·0	49·0	55·5	54·5	43·5	49·0	48·5	39·0	43·8	44·5	35·0	39·8	54·1	42·4	48·3	1881–1895	15	Arlington.
68·8	52·1	60·5	65·6	48·8	57·2	56·0	40·3	48·2	49·3	38·1	43·7	44·1	33·2	38·7	56·6	42·1	49·4	„ „	15	Cullompton.
65·3	55·5	60·4	61·7	52·9	57·3	55·7	47·5	51·6	51·2	44·1	47·7	47·8	40·8	44·3	55·1	46·5	50·8	1871–1895	25	Falmouth.
67·6	55·0	61·3	63·8	51·5	57·7	56·7	45·1	51·1	51·6	41·5	46·6	47·5	37·6	42·6	56·7	44·9	50·8	„ „	25	Plymouth.
65·1	54·5	59·8	62·5	52·3	57·4	56·5	46·1	51·3	51·2	42·1	46·7	47·3	38·5	42·9	54·9	44·8	49·8	1879–1895	17	Prawle Point.
61·7	54·0	57·9	58·4	51·1	54·8	52·4	45·6	49·0	48·0	40·9	44·5	45·2	38·1	41·7	52·3	44·6	48·5	1885–1895	11	Malin Head.
65·1	51·4	58·3	61·4	47·5	54·5	53·8	42·0	47·9	48·0	38·0	43·0	44·6	34·6	39·6	54·8	41·9	48·4	1879–1895	17	Londonderry.
63·6	49·8	56·7	59·5	46·1	52·8	52·0	39·8	45·9	46·6	35·9	41·3	42·5	32·0	37·3	52·9	40·0	46·5	1871–1895	25	Edenfel (Omagh).
62·5	54·1	58·3	59·6	51·6	55·6	53·9	46·0	50·0	49·4	41·5	45·5	46·9	39·0	43·0	53·8	45·3	49·5	1885–1895	11	Belmullet.
64·4	49·9	57·2	60·9	46·0	53·5	54·2	40·3	47·3	48·7	36·7	42·7	44·5	33·3	38·9	54·3	40·5	47·4	1875–1895	21	Markree Castle.
64·2	49·9	57·1	60·2	45·6	52·9	53·0	39·8	46·4	47·1	36·1	41·6	43·1	32·2	37·7	53·6	40·1	46·9	1879–1895	17	Brookeborough.
64·4	51·3	57·9	60·0	47·6	53·8	52·7	41·3	47·0	47·0	37·3	42·2	42·9	33·7	38·3	53·5	41·3	47·4	1871–1895	25	Armagh.
62·5	52·6	57·6	60·0	49·4	54·7	53·6	43·3	48·5	48·5	39·4	44·0	45·8	36·3	41·1	53·3	43·1	48·2	1873–1895	23	Donaghadee.
65·2	49·9	57·6	60·0	46·1	53·1	54·1	39·6	46·9	47·9	36·4	42·2	43·0	32·6	37·8	54·3	40·2	47·3	1885–1895	11	Edgeworthstown.
65·6	53·4	59·5	61·4	49·8	55·6	54·4	44·0	49·2	49·6	40·4	45·0	45·5	36·6	41·1	55·0	44·0	49·5	1871–1895	25	Dublin.
65·7	51·5	58·6	61·7	47·2	54·5	54·6	40·4	47·5	49·1	37·0	43·1	45·1	33·5	39·3	55·3	41·2	48·3	1872–1895	24	Parsonstown.
66·3	52·7	59·5	61·6	48·8	55·2	54·6	42·2	48·4	49·8	38·6	44·2	45·3	35·3	40·3	55·4	42·7	49·1	1885–1895	11	Kilkenny.
65·7	53·9	59·8	61·7	51·0	56·4	55·7	45·8	50·8	51·2	42·0	46·6	48·2	39·4	43·8	55·9	45·3	50·6	1872–1895	24	Roche's Point.
64·4	54·2	59·3	61·8	51·3	56·6	56·3	46·3	51·3	52·3	42·9	47·3	49·9	40·4	45·2	56·1	45·8	51·0	1871–1895	25	Valencia.
65·5	53·3	59·4	61·9	49·7	55·8	55·9	44·0	50·0	51·4	39·6	45·5	47·7	38·1	42·9	55·9	44·1	50·0	1882–1895	14	Killarney.
64·9	52·5	58·7	61·8	48·6	55·2	55·2	42·3	48·8	50·5	39·1	44·8	46·2	36·9	41·6	55·3	42·9	49·1	1886–1895	10	Foynes.
64·9	56·9	60·9	62·0	54·8	58·4	56·6	50·0	53·3	52·6	46·6	49·6	49·8	43·6	46·7	55·6	48·5	52·0	1871–1895	25	Scilly (St. Mary's).
68·8	57·2	63·0	65·8	54·9	60·4	58·1	48·7	53·5	52·3	44·3	48·3	47·7	39·7	43·7	56·9	46·8	51·9	„ „	25	Jersey.

rules have been observed for purposes of interpolation :—
neglected for the present.
to their approximate value for the whole period by comparison with the values at adjacent and similarly exposed stations having a complete record

TABLE II.—Showing, for the Stations included in the Weekly Weather Reports and Monthly Summaries, the Mean Rainfall for each Month and for the whole Year, derived from Observations extending over the 30 Years 1866 to 1895.

(Issued in continuation of those published in the Preface to the Weekly Weather Report for 1891.)

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.	Limits of Years of Actual Observation.	Number of Years.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins	Ins.	Ins.	Ins.	Ins.	Ins.		
Sumburgh Head	3·85	3·11	2·75	1·95	1·76	1·93	2·36	3·34	3·38	4·31	4·14	4·27	37·15	1871-1895	25
Stornoway	5·17	3·80	3·70	2·49	2·53	2·76	3·08	3·77	4·09	5·15	4·80	5·64	46·98	1855-1895	41
Wick	2·24	2·16	1·99	1·63	1·77	1·75	2·52	2·68	2·51	3·14	2·93	3·17	28·49	1866-1895	30
Glencarron	10·06	7·05	6·51	4·10	4·67	5·07	6·06	6·79	7·25	8·92	9·63	9·82	85·93	—	—
Fort Augustus	4·71	3·91	3·09	1·93	2·09	2·21	3·19	3·34	3·91	4·14	4·36	4·99	41·87	—	—
Fort William	9·52	7·75	5·88	3·39	3·56	3·86	5·29	6·07	6·98	7·70	7·91	9·28	77·19	—	—
Nairn	1·98	1·65	1·68	1·21	1·68	1·73	2·73	2·80	2·48	2·51	2·14	1·94	24·53	1866-1895	30
Aberdeen	2·38	2·26	2·23	1·96	2·01	1·80	2·84	3·15	2·89	3·05	3·16	3·11	30·84	„ „	30
Braemar	3·13	2·86	2·36	2·16	2·21	2·35	2·91	3·86	3·33	3·96	3·76	3·07	35·96	„ „	30
Ochtertyre	4·96	3·65	2·69	2·19	2·41	2·71	3·27	3·84	3·36	4·17	4·37	4·15	41·77	1873-1895	23
Leith	1·78	1·51	1·41	1·46	1·70	1·79	2·80	2·74	2·19	2·03	2·05	1·89	23·35	1866-1895	30
Marchmont	2·67	2·40	2·45	2·24	2·38	2·50	3·50	3·55	3·15	3·46	3·39	3·03	34·72	1868-1895	28
Alnwick Castle	2·22	2·15	2·29	2·07	2·15	1·91	2·89	3·15	2·77	3·13	3·19	3·02	30·94	1866-1895	30
Durham	2·00	1·59	2·04	1·96	2·04	1·89	3·04	2·84	2·30	3·03	2·77	2·71	28·21	„ „	30
Shields	1·72	1·50	1·74	1·65	1·64	1·71	2·69	2·86	2·30	2·58	2·39	2·32	25·10	„ „	30
Scarborough	1·98	1·76	1·79	1·83	1·96	2·03	2·84	2·67	2·58	3·25	2·93	2·68	28·30	„ „	30
York	1·84	1·68	1·66	1·68	1·87	2·21	2·78	2·62	2·45	2·74	2·21	2·21	25·95	„ „	30
Spurn Head	1·38	1·32	1·19	1·35	1·61	1·64	1·78	1·84	1·83	2·33	2·28	2·05	20·60	1880-1895	16
Hillington	1·99	1·75	1·59	1·67	1·86	2·17	3·04	2·73	2·53	2·81	2·73	2·42	27·29	1866-1895	30
Yarmouth	1·96	1·73	1·73	1·63	1·83	1·86	2·89	2·30	2·64	3·11	2·92	2·53	27·13	„ „	30
Geldeston	1·60	1·50	1·51	1·49	1·73	1·65	2·69	2·04	2·38	2·83	2·65	2·15	24·22	„ „	30
Cambridge	1·52	1·42	1·34	1·56	1·87	2·14	2·62	2·39	2·13	2·41	2·07	1·82	23·29	„ „	30
Rothamsted	2·49	1·95	1·67	1·96	2·11	2·11	2·83	2·59	2·55	3·13	2·79	2·43	28·61	„ „	30
Bawtry	1·85	1·53	1·57	1·64	2·04	2·25	2·78	2·34	2·22	2·81	2·09	2·19	25·31	1866-75 and 1881-95	25
Loughborough	2·01	1·71	1·54	1·71	2·05	2·20	2·35	2·50	2·50	2·83	2·21	2·24	25·85	1872-1895	24
Stamford (Ketton Hall)	1·89	1·66	1·38	1·76	2·27	1·89	2·71	2·24	2·73	2·98	2·64	2·23	26·38	1880-1895	16
Cheadle	2·73	2·32	2·18	2·03	2·33	2·85	3·22	3·52	3·08	3·50	3·07	3·14	33·97	1866-1895	30
Churchstoke	2·84	2·39	1·91	1·80	2·21	2·21	2·53	2·74	2·64	3·48	3·41	3·11	31·27	1876-1895	20
Hereford	2·51	1·97	1·63	1·70	2·08	2·07	2·36	2·44	2·59	2·79	2·60	2·36	27·10	1866-1895	30
Cirencester	3·00	2·31	2·00	2·00	2·15	2·22	3·08	3·08	2·97	3·25	3·09	2·76	31·91	„ „	30
Oxford	2·16	1·76	1·50	1·66	1·83	2·11	2·68	2·32	2·43	2·75	2·42	2·10	25·72	„ „	30
London	2·06	1·64	1·43	1·70	1·77	1·99	2·48	2·36	2·17	2·82	2·31	2·11	24·84	„ „	30
Strathfield Turgiss	2·44	1·89	1·51	1·72	1·75	1·89	2·49	2·23	2·48	2·99	2·70	2·24	26·33	„ „	30
Dover	2·47	1·81	1·74	1·61	1·66	1·52	2·05	2·07	2·53	3·43	3·30	2·79	26·98	„ „	30
Hastings	2·79	2·02	1·91	1·87	1·67	1·61	2·39	2·45	2·70	3·90	3·35	2·90	29·54	„ „	30
Southampton	3·23	2·34	1·95	1·98	1·88	1·85	2·81	2·68	2·81	3·56	3·09	3·09	31·27	„ „	30
Hurst Castle	2·86	2·10	1·78	1·72	1·64	1·83	2·39	2·37	2·76	3·60	3·11	2·77	28·93	„ „	30
Stowell	3·32	2·74	2·16	2·25	1·94	2·13	2·94	2·93	3·56	3·48	3·62	3·43	34·50	1886-1895	10
Laudale	8·67	6·82	6·17	3·55	3·71	4·22	5·36	5·46	6·83	7·70	8·71	9·18	76·38	1876-1895	20
Glasgow	3·92	3·32	2·40	2·06	2·43	2·67	3·40	4·05	3·73	3·81	3·77	4·05	39·61	1866-1895	30
Ardrossan	3·89	2·93	2·30	2·03	2·28	2·32	2·86	3·91	3·38	3·82	3·78	3·66	37·16	„ „	30
Glenlee	7·32	4·86	3·82	2·80	2·99	3·08	4·15	4·73	4·81	5·76	6·32	6·36	57·00	—	—
Douglas	4·38	3·32	2·72	2·30	2·18	2·18	2·99	3·85	3·59	4·48	4·62	4·64	41·25	1866-1895	30
Stonyhurst	4·03	3·43	3·30	2·32	2·69	3·22	4·44	5·15	4·84	5·17	4·52	4·78	47·89	„ „	30
Blackpool	2·88	2·24	2·13	1·64	2·02	2·09	3·15	3·38	3·62	4·19	3·41	3·14	33·89	„ „	30
Manchester	3·19	2·25	2·39	1·93	2·42	2·94	3·86	3·73	3·81	4·12	3·49	3·68	37·81	„ „	30
Liverpool	2·18	1·68	1·67	1·54	1·83	1·99	2·99	2·87	3·17	3·58	2·81	2·62	28·93	„ „	30
Llandudno	2·75	2·08	1·94	1·75	1·80	1·88	2·66	2·67	2·99	4·04	3·45	3·13	31·14	„ „	30
Holyhead	3·26	2·42	2·20	1·86	1·85	1·97	2·37	2·98	3·10	4·44	3·96	3·83	34·24	„ „	30
Llandovery	5·16	3·88	3·51	2·58	2·77	2·82	4·12	4·69	4·46	5·66	5·15	5·39	50·19	„ „	30
Pembroke	3·71	2·62	2·26	1·89	1·96	1·88	2·53	2·88	3·32	4·11	4·04	3·96	35·16	1871-1895	25
Bristol	3·41	2·53	2·25	2·11	2·30	2·29	3·29	3·45	3·31	3·75	3·46	3·15	35·21	1866-1895	30
Arlington	4·31	3·87	3·44	2·70	2·83	2·97	4·86	5·25	4·64	6·23	6·18	5·94	53·22	1876-1895	20
Cullompton	3·40	2·81	2·33	2·40	2·13	2·19	3·15	2·90	3·22	4·05	3·70	3·52	35·80	1866-1895	30
Falmouth	5·23	3·84	3·21	2·86	2·56	2·48	3·32	3·65	4·29	5·45	5·45	5·35	47·69	1871-1895	25
Plymouth	3·91	2·87	2·46	2·29	2·03	1·97	2·97	2·93	3·51	3·96	3·77	3·89	36·56	1866-1895	30
Prawle Point	2·92	1·94	1·88	1·94	1·48	1·59	2·39	2·24	2·41	3·78	3·26	3·77	29·60	1879-1895	17
Londonderry	3·97	2·82	2·74	2·18	2·41	2·50	3·51	3·90	3·61	4·29	4·19	3·99	40·11	1866-1895	30
Edenfel (Omagh)	3·50	2·44	2·37	2·09	2·34	2·53	3·41	3·83	3·42	3·76	3·63	3·69	37·01	„ „	30
Belmullet	5·48	4·20	3·80	2·48	2·83	2·85	3·59	4·62	4·26	5·18	5·92	5·36	50·57	1876-1895	20
Markree Castle	3·87	2·76	2·72	2·16	2·46	2·94	3·76	4·10	3·83	4·45	4·05	4·16	41·26	1871-1895	25
Brookeborough	4·27	3·05	2·72	2·47	2·59	2·76	3·56	3·82	3·57	4·08	4·22	4·15	41·26	1879-1895	17
Armagh	2·80	2·20	2·04	2·02	2·07	2·17	3·18	3·21	2·77	3·04	2·83	2·84	31·17	1866-1895	30
Donaghadee	2·90	2·34	1·97	1·86	2·21	2·03	2·82	3·27	2·74	3·22	3·10	2·85	31·31	1873-1895	23
Edgeworthstown	2·79	2·57	2·57	2·30	2·48	2·78	3·65	4·07	2·88	3·11	3·48	3·34	33·02	1876-1895	20
Dublin	2·26	2·00	1·97	1·96	2·07	1·86	2·46	2·94	2·17	2·99	2·48	2·39	27·55	1866-1895	30
Parsonstown	2·99	2·16	2·20	2·04	2·31	2·34	2·98	3·67	2·92	3·12	2·86	3·09	32·68	„ „	30
Kilkenny	3·43	2·59	2·09	2·16	2·13	2·22	2·61	3·48	2·75	3·14	2·81	3·24	32·65	„ „	30
Roche's Point	5·33	4·19	3·38	3·06	3·01	3·07	3·18	4·03	3·74	4·16	4·79	5·16	47·10	1868-1895	28
Valencia	6·31	4·89	3·87	3·67	3·13	3·34	4·23	4·85	4·38	5·57	5·63	5·93	55·80	1869-1895	27
Scilly (St. Mary's)	3·63	2·62	2·28	2·15	1·69	1·76	2·47	2·54	3·28	3·77	3·80	4·00	33·99	1871-1895	25
Jersey	3·21	2·41	2·24	2·01	1·86	1·86	2·54	2·44	2·96	4·70	4·19	3·76	34·18	1866-1895	30

Note.—When the records available have not extended over the whole of the period 1866 to 1895 the following rules have been observed for purposes of interpolation:—

1. Where the observations available have not covered a period of sixteen years or more, with the exception of those for Stowell, they have been rejected.
2. When the observations have covered a period of sixteen years or more, the means have been either,—
   A. Reduced to their approximate value for the whole period by comparison with the values at adjacent and similarly exposed stations having a complete record.
   B. When such comparison was impossible have been entered in the above Table without any correction whatever. In the latter case the values are printed in Egyptian type.

The values for Glencarron, Fort Augustus, Fort William, Ochtertyre, Marchmont, and Glenlee have been supplied by the Scottish Meteorological Society. The values for Solihull, North Foreland, Malin Head, Killarney, and Foynes are not given, the observations being insufficient in point of duration to furnish averages of any great value.

TABLE III.—SHOWING, for each MONTH and the WHOLE YEAR, for certain STATIONS included in the WEEKLY WEATHER REPORTS and MONTHLY SUMMARIES, the Mean Numbers of HOURS of BRIGHT SUNSHINE, together with the PERCENTAGES of the POSSIBLE DURATION, in each instance, derived from Records extending over the 15 Years 1881–1895.

(Issued in continuation of those published in the Preface to the Weekly Weather Report for 1891.)

STATIONS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October		November.		December.		Annuals.		Limits of Years of Actual Observation.	Number of Years.
	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.	Hours.	Per-centages.		
Stornoway	29·2	13	63·6	25	103·3	29	159·0	37	184·8	36	185·1	35	143·6	27	117·4	25	103·3	27	84·1	27	42·1	18	25·4	13	1240·9	28	1881-1895	15
Fort Augustus	14·7	7	40·0	15	77·4	21	115·8	27	124·5	25	132·5	25	88·0	17	74·9	16	74·7	20	56·1	18	16·3	7	7·1	4	822·0	19	1890-1895	6
Fort William	25·9	12	55·8	21	98·0	27	143·6	34	171·0	34	181·5	35	124·5	24	86·1	19	96·0	25	76·7	24	27·6	12	11·3	6	1098·0	25	1891-1895	5
Aberdeen	52·6	23	73·4	28	124·0	34	154·0	36	192·2	38	196·5	37	160·8	31	151·1	33	124·2	33	97·5	31	54·7	23	39·9	20	1420·9	32	1881-1895	15
Braemar	21·4	10	69·9	27	116·6	32	136·0	32	181·3	36	181·9	35	140·7	27	113·6	25	107·3	28	68·8	22	28·2	12	21·2	10	1186·9	27	1888-1895	8
Edinburgh	33·5	15	56·5	21	97·6	27	123·1	29	164·6	33	156·8	30	137·7	27	145·3	32	104·4	28	82·7	26	49·3	21	24·0	11	1175·5	27	1891-1895	5
Marchmont	41·6	18	69·1	26	104·5	29	141·1	34	185·0	37	181·1	35	164·5	32	152·0	33	112·9	30	86·0	27	53·8	23	33·6	16	1325·2	30	1888-1895	8
Durham	45·0	19	66·2	25	116·2	32	123·4	29	174·7	35	169·0	33	157·3	31	146·1	32	116·1	31	86·8	27	52·4	21	43·9	20	1297·2	29	1881-1895	15
Oswaldkirk	38·3	16	61·3	23	117·5	32	138·0	33	174·2	35	162·0	32	152·4	30	133·7	29	115·6	31	83·5	26	46·1	19	36·4	16	1259·0	29	1886-1895	10
York	30·2	12	60·0	22	109·1	30	139·4	33	187·8	38	173·0	34	163·3	32	145·1	32	118·4	32	87·3	27	39·7	16	26·5	12	1279·8	29	1881-1895	15
Hillington	46·0	19	71·8	26	115·9	32	154·8	37	210·5	43	194·6	39	187·1	37	173·5	39	133·0	36	95·0	30	52·4	21	41·1	18	1475·7	33	„ „	15
Geldeston	53·0	21	73·6	27	131·9	36	166·0	40	225·6	47	210·3	43	201·0	41	188·4	42	155·7	42	109·4	34	61·2	24	48·5	21	1624·6	37	„ „	15
Cambridge	49·8	20	70·5	26	127·4	35	157·7	38	199·6	41	195·3	40	189·6	38	180·5	40	144·2	39	104·4	32	61·7	24	41·2	18	1521·9	35	„ „	15
Rothamsted	46·2	18	68·1	25	124·2	34	148·9	36	198·6	41	191·9	39	200·7	41	185·7	42	140·9	38	108·2	33	58·7	23	42·9	18	1515·0	34	1891-1895	5
Worksop	37·5	15	60·1	22	105·4	29	130·0	31	173·9	36	157·8	32	155·8	31	144·0	32	118·9	32	84·9	26	46·4	18	32·8	14	1247·5	28	1881-1895	15
Thurcaston	40·3	16	60·4	22	100·5	28	133·5	32	183·3	38	170·0	34	162·1	32	158·8	35	120·9	32	87·4	27	51·4	20	30·2	13	1298·8	29	„ „	15
Churchstoke	46·6	19	66·6	24	117·1	32	146·6	35	188·2	39	187·8	38	169·5	34	164·4	37	131·5	35	90·6	28	48·6	19	38·3	17	1395·8	32	„ „	15
Cirencester	50·3	20	74·1	27	118·7	33	155·2	38	202·0	42	193·0	39	181·5	37	178·6	40	129·9	35	100·0	31	53·7	21	41·8	18	1478·8	34	„ „	15
Oxford	47·1	19	66·3	24	119·7	33	152·1	37	196·6	41	192·1	39	185·5	38	182·9	41	141·0	38	101·7	31	55·4	22	41·8	18	1482·2	34	„ „	15
London	25·6	10	39·1	14	88·4	24	129·7	31	183·0	38	179·1	36	171·7	35	167·0	37	122·4	33	77·8	24	36·2	14	20·1	9	1240·1	28	„ „	15
Margate	44·7	17	69·6	25	125·3	34	153·3	37	196·4	41	181·6	37	191·5	39	183·9	41	142·9	38	105·5	32	60·8	23	47·7	20	1503·2	34	1892-1895	4
Hastings	61·0	24	83·8	30	143·2	39	176·0	43	238·4	50	226·6	46	220·5	45	203·7	46	163·4	44	119·4	37	67·2	26	57·9	24	1761·1	40	1883-1895	13
Eastbourne	55·2	21	72·3	26	141·6	39	174·5	42	226·4	47	217·4	45	219·4	45	195·9	44	162·9	44	117·8	36	59·1	23	55·8	23	1698·3	39	1886-1895	10
Brighton	51·1	20	77·3	28	133·8	37	178·1	43	216·3	45	221·8	45	218·1	45	211·4	48	162·2	43	122·3	38	63·4	24	51·0	21	1706·8	39	1890-1895	6
Westbourne	56·0	22	78·3	28	146·9	40	185·1	45	227·3	48	209·8	43	208·8	43	202·1	46	157·7	42	111·5	34	54·6	21	50·1	21	1688·2	38	1892-1895	4
Southampton	53·1	21	76·3	28	135·0	37	171·5	42	217·9	46	210·1	43	204·5	42	203·0	46	155·0	41	112·5	35	58·8	22	50·1	21	1647·8	37	1881-1895	15
Glasgow	23·3	10	44·8	17	88·5	24	130·2	31	158·9	32	167·3	32	139·5	27	129·1	28	100·3	27	69·1	22	27·6	12	17·2	8	1095·8	25	„ „	15
Douglas	50·2	21	70·9	26	133·5	37	182·7	44	220·6	45	221·1	44	197·0	39	164·0	36	144·3	39	105·2	33	61·6	25	41·0	18	1592·1	36	„ „	15
Stonyhurst	36·5	15	60·2	22	106·4	29	144·7	35	190·7	39	192·0	38	168·3	33	142·3	31	126·2	34	86·0	27	42·8	17	27·7	12	1323·8	30	„ „	15
Blackpool	36·7	15	61·7	23	102·8	28	147·9	35	192·5	39	192·6	38	176·6	35	150·7	33	122·3	33	87·5	27	43·0	17	25·4	11	1339·7	30	1882-1895	14
Llandudno	44·0	18	69·9	26	105·6	29	151·0	36	189·1	39	193·5	39	168·5	34	151·6	34	119·2	32	79·4	25	47·1	19	30·7	13	1349·6	31	1881-1895	15
Pembroke	53·6	21	79·9	29	139·9	38	185·9	45	217·3	45	234·7	48	199·7	40	188·8	42	146·5	39	103·4	32	58·8	23	46·0	20	1654·5	38	„ „	15
Tenby	58·4	23	84·9	31	150·4	41	196·6	48	218·8	45	234·3	48	197·4	40	186·8	42	152·1	41	108·2	33	59·3	23	47·2	20	1693·8	38	1892-1895	4
Cullompton	44·3	17	71·3	26	129·2	35	157·3	38	198·7	42	200·5	41	174·1	36	178·2	40	140·0	37	94·5	29	51·0	19	38·6	16	1477·7	34	1881-1895	15
Torquay	60·4	23	71·9	26	145·0	40	181·2	44	219·8	46	234·9	49	202·2	42	201·8	46	159·1	43	108·7	33	60·5	23	52·4	22	1697·9	39	1889-1895	7
Newquay	52·3	20	80·3	29	141·7	39	177·7	43	212·3	45	229·4	47	208·1	43	200·0	45	152·5	41	113·8	35	73·1	27	50·1	21	1691·3	38	1892-1895	4
Falmouth	56·1	21	82·1	29	142·1	39	182·8	45	226·5	48	229·7	47	214·1	44	202·7	46	154·7	41	118·8	36	68·7	26	56·1	23	1734·4	39	1881-1895	15
Plymouth	51·0	19	79·9	29	139·1	38	177·7	43	212·1	45	208·0	43	192·9	40	186·8	42	152·0	41	106·5	33	59·8	22	51·7	21	1617·5	37	„ „	15
Markree Castle	42·4	18	64·6	24	105·3	29	150·0	36	183·2	37	172·2	34	128·3	25	122·5	27	103·1	28	90·3	28	57·7	23	34·3	15	1253·9	28	„ „	15
Armagh	44·8	19	62·9	23	103·7	28	142·8	34	178·6	36	178·1	35	140·6	28	114·6	25	113·5	30	88·5	28	59·2	24	35·6	16	1262·9	29	„ „	15
Arley Cottage	48·4	20	62·1	23	103·7	28	137·1	33	188·5	38	183·7	36	149·2	30	131·9	29	109·3	29	88·7	28	64·7	26	37·2	17	1304·5	30	1891-1895	5
Dublin	59·3	24	70·8	26	126·9	35	166·8	40	207·8	43	195·7	39	161·3	32	154·9	34	138·3	37	108·5	34	71·8	28	52·2	23	1514·3	34	1881-1895	15
Parsonstown	50·8	21	68·0	25	114·7	32	155·8	38	180·2	37	173·7	35	136·5	27	131·0	29	124·7	33	97·1	30	63·1	25	45·0	20	1340·6	30	„ „	15
Valencia	56·1	22	72·9	27	135·3	37	171·5	42	206·4	43	203·4	41	153·8	31	146·0	33	130·4	35	104·2	32	63·8	25	43·9	19	1487·7	34	„ „	15
Guernsey	53·0	20	89·4	32	156·4	43	197·7	48	265·0	57	249·6	52	234·6	49	237·2	54	174·1	47	113·8	35	58·2	21	45·8	18	1874·8	42	1892-1895	4
Jersey	71·2	27	95·0	34	160·2	44	196·3	48	249·2	53	243·1	51	230·0	48	241·2	55	183·4	49	127·4	39	70·9	26	62·6	25	1930·5	44	1881-1895	15

Note.—Where the records available have not extended over the whole period of 1881–1895, they have been reduced to their approximate values for the 15 years by comparison with those at adjacent and similarly exposed stations having a complete record. When the number of years of actual observation has not exceeded seven, the values are not very reliable.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 1.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 5TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 2.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	18	37·0	27·5	32·5	6 below	0	− 7	67	+35	0	− 7	67	+ 35
	1. SCOTLAND, EAST	42	13	36·1	27·1	31·8	5 below	0	− 7	71	+31	0	− 7	71	+ 31
	2. ENGLAND, N.E.	42	23	37·7	29·5	33·8	4 below	0	− 7	57	+21	0	− 7	57	+ 21
	3. ENGLAND, EAST	42	15	37·8	28·9	33·5	4 below	0	− 7	60	+18	0	− 7	60	+ 18
	4. MIDLAND COUNTIES	44	23	37·1	28·5	33·0	5 below	0	− 9	63	+21	0	− 9	63	+ 21
	5. ENGLAND, SOUTH	44	22	38·0	30·3	34·3	5 below	0	−11	54	+22	0	−11	54	+ 22
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	43	19	37·8	29·3	33·8	6 below	0	−10	57	+28	0	−10	57	+ 28
	7. ENGLAND, N.W.	45	25	39·8	31·9	36·0	4 below	0	− 9	42	+12	0	− 9	42	+ 12
	8. ENGLAND, S.W.	47	17	40·5	31·2	36·0	5 below	0	−15	42	+20	0	−15	42	+ 20
	9. IRELAND, NORTH	49	22	40·2	31·6	36·1	4 below	0	−13	41	+15	0	−13	41	+ 15
	10. IRELAND, SOUTH	50	25	41·9	32·3	37·3	5 below	0	−20	33	+13	0	−20	33	+ 13
	—CHANNEL ISLANDS	50	33	44·6	37·6	41·3	3 below	7	−17	19	+10	7	−17	19	+ 10

Rainfall.

	DISTRICTS. (See p. 2.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	4 less	6	+ 1	1·0	− 0·4
	1. SCOTLAND EAST	4	3	3 less	4	+ 1	0·3	− 0·3
	2. ENGLAND, N.E.	5	6	2 more	5	+ 2	0·6	+ 0·2
	3. ENGLAND, EAST	6	10	5 more	6	+ 2	1·0	+ 0·5
	4. MIDLAND COUNTIES	3	2	4 less	3	0	0·2	− 0·4
	5. ENGLAND, SOUTH	4	3	3 less	4	+ 1	0·3	− 0·3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	3	8 less	3	− 2	0·3	− 0·8
	7. ENGLAND, N.W.	4	4	3 less	4	0	0·4	− 0·3
	8. ENGLAND, S.W.	5	5	4 less	5	+ 1	0·5	− 0·4
	9. IRELAND, NORTH	6	10	2 more	6	+ 1	1·0	+ 0·2
	10. IRELAND, SOUTH	5	11	1 more	5	+ 1	1·1	+ 0·1
	—CHANNEL ISLANDS	6	7	1 less	6	+ 1	0·7	− 0·1

Bright Sunshine.

	DISTRICTS. (See p. 2.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	− 2	10	− 4	5	− 2	10	− 4
	1. SCOTLAND EAST	6	− 4	13	− 7	6	− 4	13	− 7
	2. ENGLAND, N.E.	13	+ 8	25	+16	13	+ 8	25	+ 16
	3. ENGLAND, EAST	11	0	22	0	11	0	22	0
	4. MIDLAND COUNTIES	17	+ 9	32	+17	17	+ 9	32	+ 17
	5. ENGLAND, SOUTH	16	+ 7	30	+15	16	+ 7	30	+ 15
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	18	+11	36	+23	18	+ 11	36	+ 23
	7. ENGLAND, N.W.	12	+ 7	24	+16	12	+ 7	24	+ 16
	8. ENGLAND, S.W.	21	+11	38	+19	21	+ 11	38	+ 19
	9. IRELAND, NORTH	13	+ 3	25	+ 6	13	+ 3	25	+ 6
	10. IRELAND, SOUTH	15	+ 4	28	+ 8	15	+ 4	28	+ 8
	—CHANNEL ISLANDS	14	+ 4	24	+ 7	14	+ 4	24	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week was cold and unsettled, intervals of bright sunshine alternating with falls of hail, sleet, or snow; over the eastern counties of England the snowfall was heavy locally.

Temperature was much below the mean, the deficit ranging from 3° in the Channel Islands to 4° or 5° in most other districts, and to 6° in Scotland W. and N. The highest of the maxima were recorded either on January 1st or 2nd, and ranged from 50° in Ireland S. and the Channel Islands to 42° in Scotland E. and England N.E. and E. The lowest of the minima were registered on somewhat irregular dates, and ranged from 13° in Scotland E., 15° in England E., and 17° in England S.W., to 25° in England N.W. and Ireland S., and to 33° in the Channel Islands.

Rainfall exceeded the mean in England N.E. and E., as well as in Ireland, but was less than the normal in all other districts. In Scotland W. the deficiency was very considerable.

Bright Sunshine was a good deal in excess of the mean in all districts excepting the north and east of Scotland and the east of England. The percentage of the possible duration ranged from 38 in England S.W. and 36 in Scotland W. to 22 in England E., to 13 in Scotland E., and to 10 in Scotland N.

Barometer and Wind.—During nearly the whole of this period the barometer was highest to the westward or south-westward of our Islands, while small depressions (secondary to larger systems to the eastward of the North Sea) moved in a Southerly or South-Easterly direction over the more eastern parts of Great Britain, causing frequent squalls of hail, sleet, and snow. The wind was mainly from between North and North-West, and was generally fresh or strong in force; a gale was experienced in nearly all parts of the Kingdom at the beginning of the week, and again at some of the western stations on January 3rd.

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II.—DATA from which the SUMMARY on page 1 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		*	*	*	*	*	*				Inches.	Inches.	*	*	*	*
6. SCOTLAND, N.	Sumburgh Head	43	29	38·3	30·9	34·8	− 4·4	0	50	6	0·85	−0·05	*	*	*	*
	Stornoway	41	29	38·1	29·9	34·2	− 4·7	0	55	7	1·04	−0·19	3·5	− 2·3	8	− 4
	Wick	39	24	36·7	26·6	31·9	− 6·1	0	71	7	0·89	+0·34	*	*	*	*
	Glencarron ℌ	41	19	35·1	25·7	30·6	− 6·3	0	80	7	1·96	−0·29	*	*	*	*
	Fort Augustus ℌ	40	18	35·9	24·5	30·4	− 8·0	0	81	3	0·34	−0·72	2·4	?	5	?
	Fort William ℌ	45	24	37·6	27·6	32·8	− 6·7	0	64	5	0·67	−1·52	8·5	?	18	?
1. SCOTLAND, E.	Nairn	40	24	36·7	28·4	32·7	− 4·9	0	65	6	0·17	−0·28	*	*	*	*
	Aberdeen	39	24	35·9	28·0	32·1	− 5·7	0	69	6	0·60	0·30	7·1	− 3·6	15	− 7
	Braemar ℌ	37	13	33·1	21·1	27·3	− 7·3	0	103	5	0·82	+0·14	2·0†	?†	4†	?†
	Ochtertyre ℌ	39	24	37·0	27·1	32·3	− 4·1	0	68	2	0·14	−0·95	*	*	*	*
	Leith	42	28	38·1	29·6	34·0	− 5·1	0	56	1	0·05	−0·37	*	*	*	*
	Marchmont ℌ	40	26	36·0	28·4	32·4	− 4·0	0	67	2	0·13	−0·54	11·5	?	24	?
2. ENGLAND, N.E.	Alnwick Castle	40	28	36·7	30·3	33·6	− 4·2	0	59	4	0·66	+0·08	*	*	*	*
	Durham	41	25	38·0	23·2	32·3	− 4·7	0	68	5	0·53	−0·03	15·7	+ 5·9	31	+13
	Shields	40	26	38·3	28·3	33·5	− 5·0	0	60	4	0·43	−0·05	*	*	*	*
	Scarborough ℳ	40	29	39·0	30·6	35·0	− 3·7	0	49	5	1·16	+0·66	*	*	*	*
	York	42	23	37·0	28·1	32·7	− 4·9	0	65	5	0·26	−0·19				
	Spurn Head	42	28	39·4	31·6	35·7	− 2·8	0	44	6	0·81	+0·44	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	40	15	37·4	27·4	32·6	− 4·6	0	66	7	1·56	+1·06	11·7	+ 2·5	23	+ 6
	Yarmouth	40	28	38·4	30·9	34·8	− 3·0	0	50	7	1·70	+1·20	*	*	*	*
	Geldeston	41	25	38·7	28·4	33·8	− 4·4	0	57	7	1·41	+1·01	5·8	− 5·6	11	− 9
	Cambridge	42	27	37·6	28·7	33·3	− 4·3	0	61	5	0·16	−0·20	12·3	+ 2·3	23	+ 5
	Rothamsted	40	26	36·7	29·2	33·1	− 4·3	0	62	5	0·14	−0·44	15·5	?	29	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	42	23	37·1	28·1	32·8	− 4·4	0	64	3	0·06	−0·41	*	*	*	*
	Loughborough	44	26	38·0	28·6	33·5	− 4·3	0	60	3	0·10	−0·38	*	*	*	*
	Stamford (Ketton Hall)	43	27	37·3	28·9	33·3	− 4·1	0	61	6	0·24	−0·24	*	*	*	*
	Cheadle ℳ	40	24	35·6	27·0	31·5	− 5·2	0	74	2	0·18	−0·47	*	*	*	*
	Solihull	39	26	35·6	28·4	32·1	− 6·3	0	69	3	0·20	?	*	*	*	*
	Churchstoke ℳ	41	23	35·3	27·1	31·4	− 6·6	0	74	2	0·47	−0·21	14·6	+ 5·5	28	+11
	Hereford ℳ	42	26	38·1	29·6	34·0	− 4·6	0	56	2	0·11	−0·44	*	*	*	*
	Cirencester	41	26	39·6	28·4	34·2	− 3·4	0	55	3	0·15	−0·54	19·0	+ 9·9	35	+18
	Oxford	42	27	37·3	30·3	33·9	− 4·5	0	57	3	0·18	−0·31	25·9	+17·4	48	+32
5. ENGLAND, S.	London	41	28	37·7	31·3	34·6	− 4·6	0	52	4	0·14	−0·35	10·0†	+ 3·7†	19†	+11†
	North Foreland	40	29	38·6	31·0	35·0	− 4·3	0	49	5	0·73	?	*	*	*	*
	Strathfield Turgiss ℳ	42	22	37·0	27·5	32·4	− 5·6	0	67	3	0·13	−0·46	*	*	*	*
	Dungeness	40	28	37·4	30·3	34·9	− 6·1	0	56	5	0·30	−0·32	*	*	*	*
	Hastings (St. Leonards)	38	29	36·8	31·2	34·1	− 6·0	0	55	3	0·21	−0·46	17·2	+ 4·5	31	+ 9
	Southampton	44	27	39·2	30·2	34·9	− 5·1	0	50	2	0·42	−0·33	22·9	+12·9	42	+24
	Hurst Castle	43	28	39·9	31·6	35·9	− 4·8	0	43	2	0·19	−0·46	*	*	*	*
	Stowell ℳ	41	26	37·4	29·3	33·5	− 5·1	0	60	4	0·26	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	41	24	36·9	28·3	32·8	− 5·6	0	64	4	0·25	−0·68	13·1	+ 8·9	27	+19
	Glasgow	43	25	39·1	31·9	35·2	− 5·1	0	48	3	0·24	−0·68	*	*	*	*
	Ardrossan	42	19	35·8	26·0	30·1	− 6·3	0	76	3	0·43	−1·19	*	*	*	*
	Glenlee ℌ	45	28	39·4	32·0	35·9	− 4·9	0	43	3	0·33	−0·72	23·6	+13·6	44	+27
	Douglas (Isle of Man)	43	27	36·1	29·6	33·0	− 4·9	0	63	2	0·39	−0·60	16·5	+ 9·9	32	+20
7. ENGLAND, N.W.	Stonyhurst	43	27	40·5	29·9	35·4	− 3·2	0	46	2	0·30	−0·39	19·2	+12·9	38	+26
	Blackpool ℳ	45	27	40·4	28·4	34·6	− 3·3	0	52	3	0·38	−0·39	15·7	?	31	?
	Manchester (Prestwich)	45	25	39·0	32·7	36·0	− 3·8	0	42	3	0·19	−0·35	*	*	*	*
	Liverpool Obsy. (Bidston)	42	32	40·5	35·7	38·2	− 3·4	0	27	5	0·41	−0·27	5·0	− 2·0	10	− 3
	Llandudno ℳ	45	34	42·1	34·9	38·6	− 4·0	0	26	7	0·77	−0·01	*	*	*	*
	Holyhead	44	33	39·0	32·7	35·8	− 4·3	0	39	5	0·77	−0·45	*	*	*	*
8. ENGLAND, S.W.	Llandovery	41	17	38·3	25·6	32·2	− 8·3	0	69	7	?	?	11·3	+ 0·9	21	+ 1
	Pembroke	45	31	41·7	35·1	38·5	− 4·6	0	25	3	0·30	−0·48	*	*	*	*
	Bristol (Montpelier)	42	28	39·8	31·3	35·7	− 3·7	0	44	5	0·55	−0·48	*	*	*	*
	Arlington (N. Devon)	43	27	38·9	30·3	34·8	− 5·2	0	50	3	0·29	−0·49	25·0	+17·2	45	+31
	Cullompton ℳ	44	27	40·1	31·0	35·7	− 4·2	0	44	6	0·96	−0·27	23·0	+12·2	41	+22
	Falmouth	47	31	42·6	34·1	38·5	− 5·6	2	29	5	0·52	−0·38	23·7	+13·9	42	+24
	Plymouth	45	27	40·8	31·4	36·3	− 5·8	0	40	2	0·23	−0·54	*	*	*	*
	Prawle Point	44	28	41·7	30·6	36·4	− 5·9	0	39	4	0·28	?	*	*	*	*
9. IRELAND, N.	Malin Head	46	31	42·7	35·0	39·0	− 1·1	2	26	7	1·03	+0·11	*	*	*	*
	Londonderry	43	31	39·5	32·6	36·2	− 3·8	0	41	6	1·01	+0·22	*	*	*	*
	Edenfel (Omagh)	41	25	37·6	29·4	33·7	− 4·9	0	58	7	1·05	?	*	*	*	*
	Belmullet	49	33	41·6	35·3	40·1	− 3·2	7	24	7	1·56	+0·68	9·4	+ 0·3	18	+ 1
	Markree Castle	47	27	41·4	30·9	35·4	− 3·0	0	39	7	1·57	+0·59	*	*	*	*
	Brookeborough	40	22	37·7	29·0	33·5	− 4·6	0	60	6	0·47	−0·18	14·0	+ 4·8	27	+10
	Armagh	40	24	36·8	27·7	32·4	− 6·4	0	67	5	0·40	−0·26	*	*	*	*
	Donaghadee	44	29	41·0	32·9	37·1	− 3·5	0	34				*	*	*	*
	Edgeworthstown															
10. IRELAND, S.	Dublin	43	27	38·2	30·5	34·5	− 7·0	0	53	4	0·36	−0·16	23·6	+12·2	45	+24
	Parsonstown	44	26	38·9	28·7	34·0	− 5·6	0	56	6	0·84	+0·14	15·0	+ 4·8	29	+10
	Kilkenny	44	25	38·4	29·3	34·0	− 6·8	0	56	3	0·53	−0·25	*	*	*	*
	Roche's Point	48	32	43·3	34·9	39·3	− 4·5	4	27	4	0·86	−0·34	*	*	*	*
	Valencia	50	34	46·0	37·0	41·7	− 3·4	11	22	6	1·24	−0·22	5·7	− 5·9	11	−10
	Killarney	48	27	44·9	31·2	38·3	− 5·0	8	42	6	2·56	?	*	*	*	*
	Foynes	48	30	?43·5	34·3	?39·1	? − 2·7	?4	?29	4	1·04	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	50	35	46·1	38·6	42·5	− 3·8	18	10	7	0·92	+0·04	15·3	?	27	?
	Jersey	47	33	43·1	36·6	40·0	− 4·9	3	21	4	0·53	−0·25	17·6	+ 3·6	31	+ 7

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

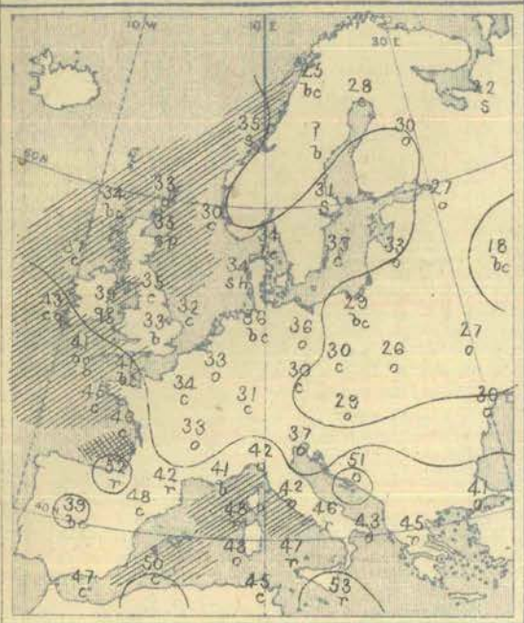
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

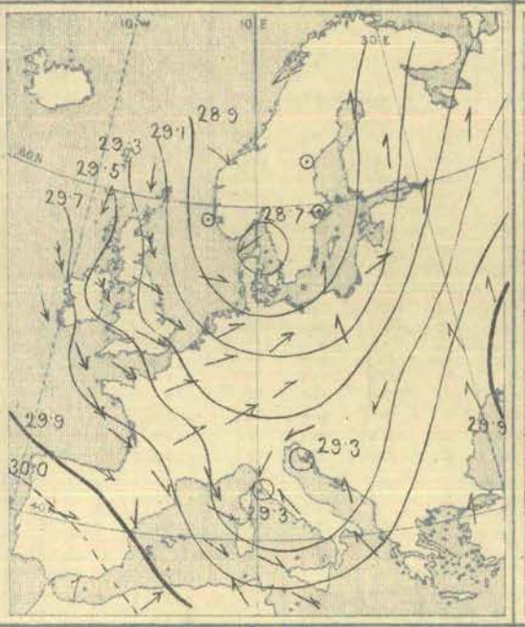
NOTE:—It will be observed that SOLIHULL has been added to the list of stations in the Midland Counties

Sunday, 30th December.

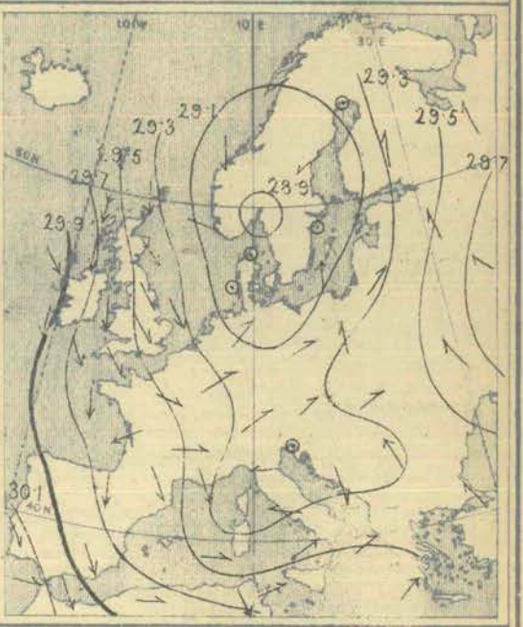
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather squally and changeable over western Europe generally, with snow showers at several of our own western and northern stations, as well as in some parts of Scandinavia, Denmark and northern Russia. Cloudy or dull in most of the central and southern countries, with rain in Italy, Greece, and the extreme south of France, and with snow at Pesaro. Snow or hail falling during day in most parts of western Europe and heavy rain at Biarritz. Lightning seen on our south-west coasts at night. Heavy rain falling over the southern parts of Italy, and thunderstorms occurring at Chassiron and Algiers.

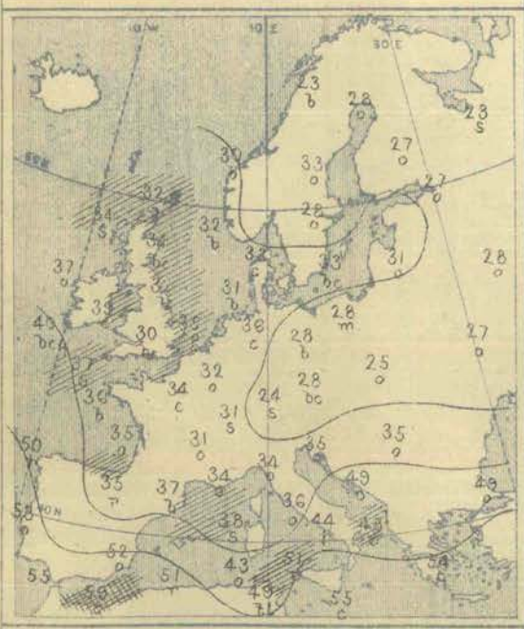
Temperature risen in most of the central and southern countries and also over northern Russia, but fallen elsewhere. Morning readings highest, 53° at Malta, 52° at Biarritz, 51° at Lésina, and 50° at Algiers; above 45° at most of the Mediterranean stations. Lowest, 18° at Moscow, 22° at Archangel, 25° at Bodö, and 26° at Kharkov and Lemberg; below the freezing point in many parts of northern, eastern, and central Europe, and ranging between 32° and 35° over a considerable portion of Great Britain. Daily maxima below 40° at all but our west and south-west coast stations; sharp frost occurring in nearly all parts of western Europe at night.

Wind strong to a gale from the Northward in the north of Scotland, and from the North-West over the remainder of our Islands, as well as in France and the Netherlands. Moderate to strong from the South-West in Germany; light or moderate from the South over Russia and the Baltic; calm in Sweden; North-Easterly in the north-west of Norway, Westerly over the southern parts of Italy, but North-Easterly in the north of that country. Subsequently veering to the Westward over the United Kingdom generally; gale continuing in north, but subsiding gradually elsewhere.

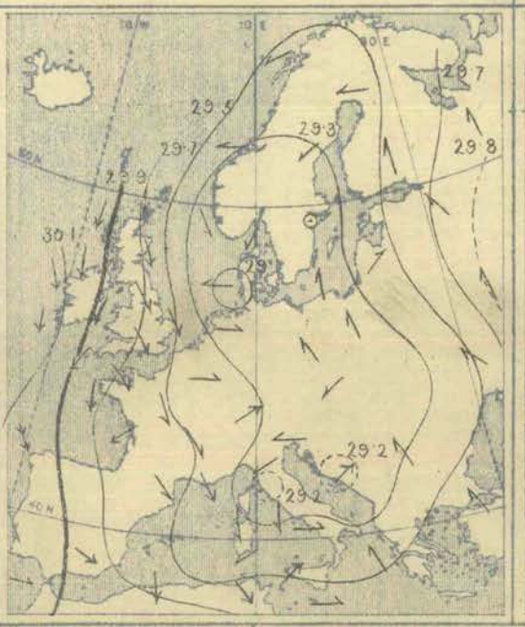
Barometer highest, 30·0 ins. and upwards over Algeria and the central and southern parts of Spain; 29·9 ins. and upwards over central Russia. Lowest, 28·7 ins. and less in a depression over the south of Sweden; gradients rather steep over western Europe generally. Depression subsequently moving slowly southwards and partially filling up; numerous small secondary disturbances passing across our Islands during day.

Monday, 31st December.

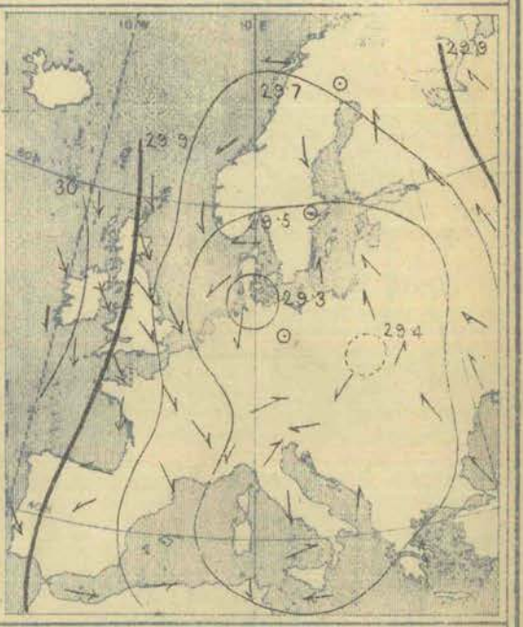
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning squally and changeable over western Europe generally, with snow showers in many places, but fine and bright in the west of Norway. Cloudy or dull in most other parts of the Continent, with snow over western and southern Germany, as well as at Pesaro. Rain falling at Biarritz and Lisbon, as well as over southern Italy, and a thunderstorm reported at Tunis. No important change occurring over western Europe during day, but thunderstorms reported at Spurn Head, Biarritz, and Algiers.

Temperature fallen in most places. Morning readings highest, 59° at Nemours, 58° at Oran, 55° at San Fernando and Malta, and 54° at Athens; above 50° over the central and southern parts of the Mediterranean generally. Lowest, 20° at Carlstadt, 23° at Bodö and Archangel, 24° at Munich, and 25° at Cracow and Lemberg; below the freezing point over central Ireland and the central and southern parts of England. Daily maxima below 40° in nearly all parts of Great Britain, and below 35° in the east of Scotland; sharp frost occurring generally at night.

Wind Northerly or North-Westerly over the whole of our Islands and France and the Portuguese coasts. Very strong in force in many places, with a gale over the Irish Sea, as well as at Corunna. North-Easterly or Easterly in the north of Italy, but Westerly or South-Westerly in the south of that country; variable in Austria; Southerly or South-Easterly over Russia and eastern Germany, and Easterly or North-Easterly at many of the Scandinavian stations. No important change occurring during day.

Barometer highest, 30·1 ins. and upwards in a large anticyclone lying to the westward of our Islands; 29·8 ins. and upwards over central Russia. Lowest, 29·1 ins. and less in a depression over Denmark (gradients rather steep over our Islands and the North Sea); 29·2 ins. and less in two small systems, one lying over the Gulf of Genoa and the other over Dalmatia. General rise of barometer taking place during day, and depressions all tending to disperse.

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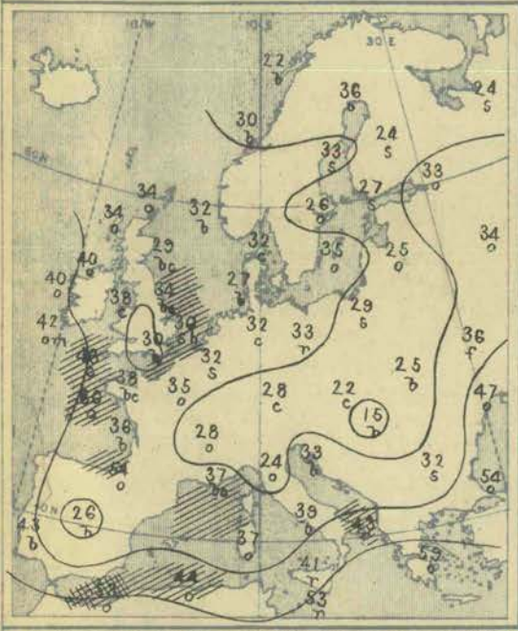
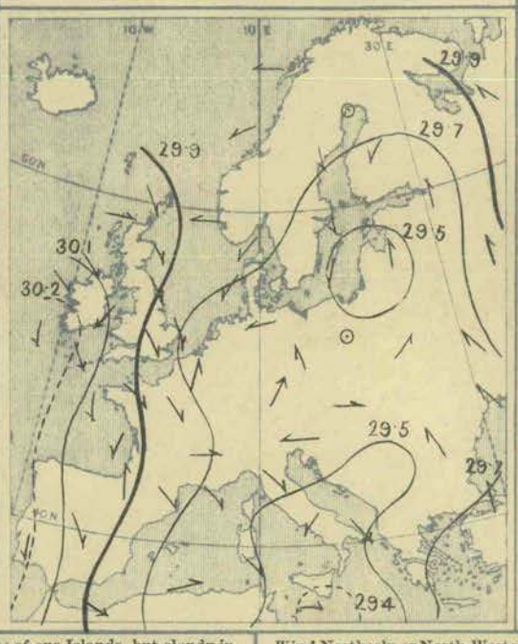
Tuesday, 1st January, 1895.

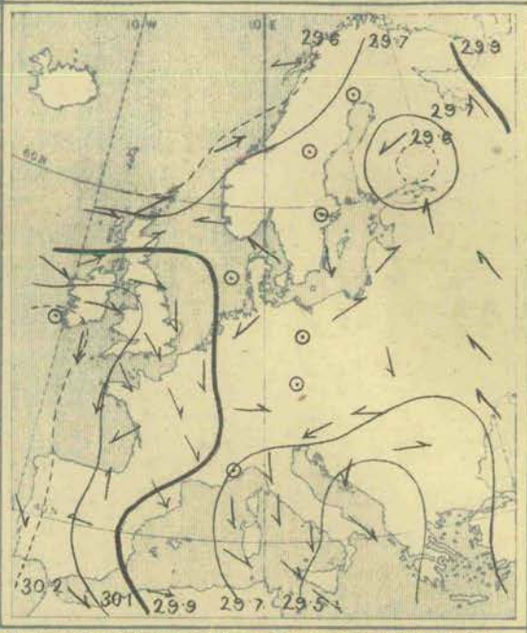
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine and bright over the more central parts of our Islands, but cloudy in most other districts, with snow or hail showers in the east and south-east of England. Fine in Norway, as well as in Spain and the west and south of France; cloudy or dull in other parts of the Continent, with snow in many places, and fog locally. Rain falling over the southern parts of Italy. Snow occurring during day in many parts of north-western, northern, and central Europe; lightning at Nice in evening and a thunderstorm, with hail, at Algiers. Bright aurora seen at Wick.

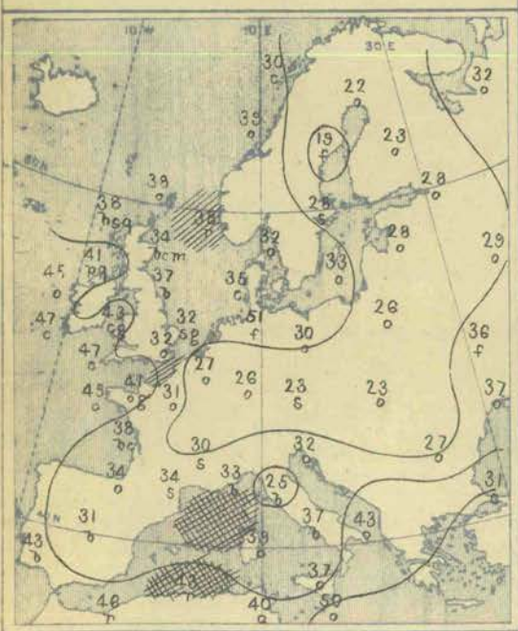
Temperature changed rather irregularly, but fallen in Poland, Austria, and Italy. Morning readings highest, 59° at Athens, 55° at Patras, 54° at Constantinople, and 53° at Malta and Nemours. Lowest, 12° at Cracow, 15° at Buda-Pesth, 21° at Memel, and 22° at Vienna; below the freezing point over the greater part of northern and central Europe, as well as in central England and the east of Scotland. Daily maxima below 40° in most parts of Great Britain and also over central France; thermometer exceeding 50° only in the south of Italy. Gradual rise taking place over Great Britain in latter part of day.

Wind Northerly or North-Westerly over the greater part of western Europe, and strong in force on our own western coasts. Northerly or North-Easterly in Finland, Scandinavia, and Denmark. Light from the Southward or South-Eastward over the central and southern parts of Russia; variable in Austria and Italy; cyclonic circulation of light winds reported over Germany. Subsequently backing to the Westward or South-Westward over the northern parts of our Islands, North-Westerly breezes springing up in Italy.

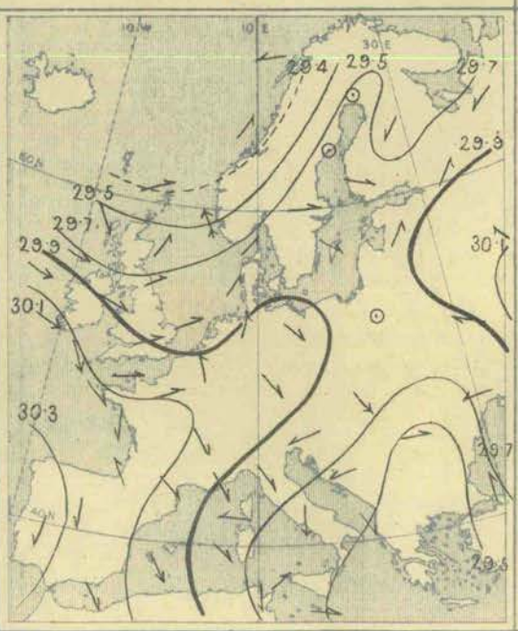
Barometer highest, 30·2 ins. and upwards in an anticyclone extending from the Atlantic over Portugal and the south of Ireland; 30·0 ins. and upwards over northern Russia. Lowest, 29·4 ins. and less in a shallow depression near Malta; 29·5 ins. and less in two other shallow systems lying respectively over central Germany and over the Baltic Provinces. Depressions filling up later, but new and larger disturbance beginning to appear off the extreme north of our Islands.

Wednesday, 2nd January.

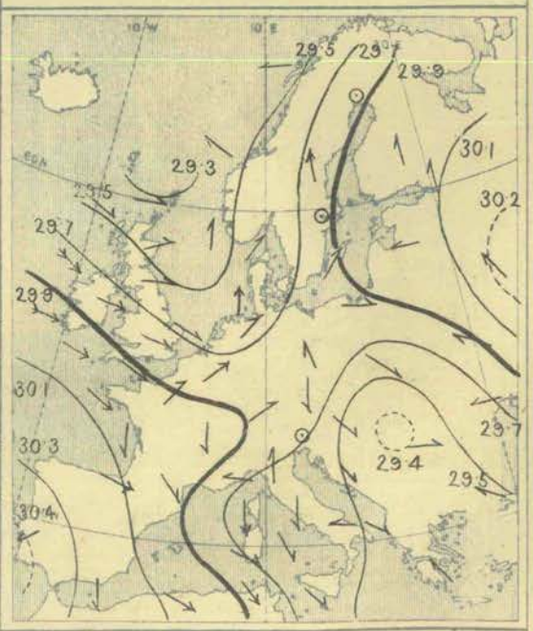
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine in the north-eastern and southern parts of the United Kingdom, but showery on our west and north-west coasts, with snow and lightning at Stornoway; snow falling also on the east and south-east coasts of England. Dull in all but the southern parts of the Continent, with fog at some of the Swedish, Danish, and German stations, and with snow over the southern parts of Germany and France. Snow falling during day in many parts of Europe; lightning seen at night at Wick and Belmullet, and an aurora at Aberdeen.

Temperature risen in most of the western and southern countries, but fallen in Sweden, Russia, and Germany. Morning readings highest, (1) 51° at Constantinople, 50° at Malta and Oran, and 46° at Nemours; (2) 47° at Valencia (Ireland) and Scilly. Lowest, 19° at Uleaborg and Hernösand, 21° at Khackov, and 22° at Carlstadt; below the freezing point over the greater part of the Continent, and just touching it in the south-east of England. Daily maxima over our Islands rather higher than of late, thermometer rising to between 45° to 50° on our extreme west and south-west coasts. Sharp frost occurring in most parts of Great Britain at night.

Wind fresh or strong from the North-Westward in the west of our Islands, and moderate from the same quarter in the west of France. Light to moderate from the Westward or South-Westward over the eastern parts of the United Kingdom, and also on the eastern shores of the North Sea, but strong to a gale from the Southward at Skudesnaes. Calm in the north of Sweden, South-Easterly over the central and southern parts of Russia, but North-Westerly in Austria and Italy and Northerly in Spain. Subsequently increasing to a gale from the North-Westward on several parts of our western coasts, and increasing considerably from the same quarter or from West in the south of France.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying off the Portuguese coasts; 30·1 ins. and upwards in another system over central Russia. Lowest, 29·4 ins. and less in a large shallow depression off the west of Norway, 29·5 ins. and less in a similar area over south-eastern Europe. Northern depression subsequently moving away to the westward, but secondary disturbance appearing over the southern parts of the North Sea

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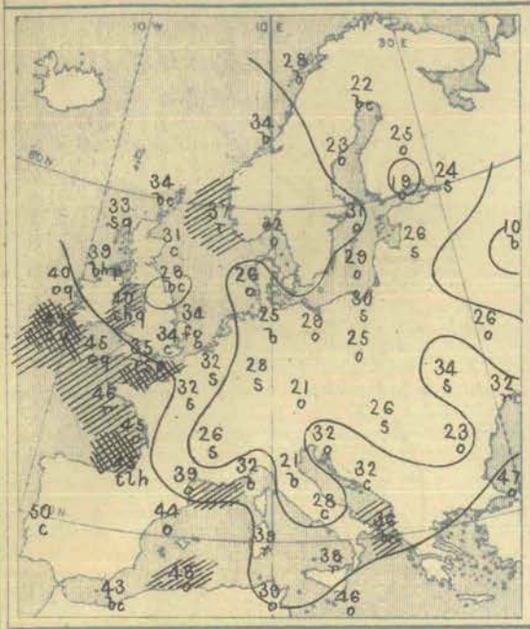
Thursday, 3rd January.

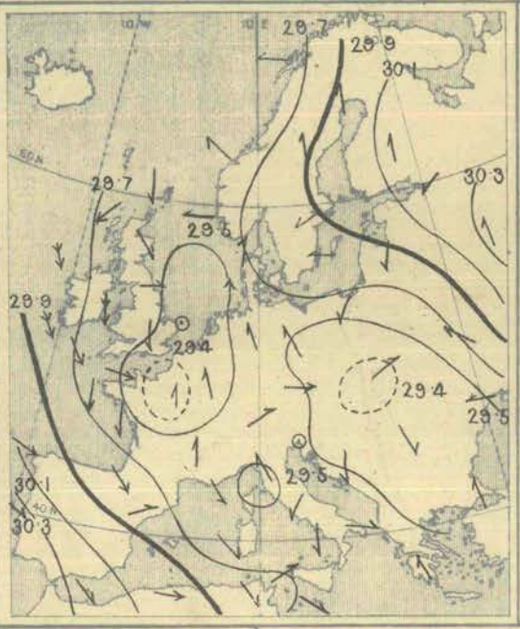
Temperature and Weather.

8 a.m.

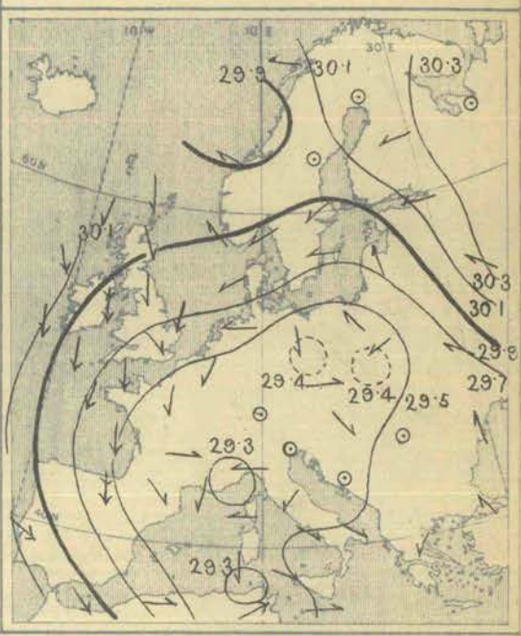


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the eastern parts of the United Kingdom, but squally and showery in all the more western districts, with hail in many places and snow in the Hebrides. Fine in the west of Norway and also over Italy and the Riviera, but cloudy or dull in other parts of the Continent, with snow in several places, and with thunder, lightning, and hail at Biarritz. Snow showers falling during day in many parts of the United Kingdom, thunder and lightning occurring at night at Scilly, and lightning only at Prawle Point, Bordeaux, and Nice. Thunderstorms reported also at Algiers and Tunis.

Temperature fallen in most places. Morning readings highest, 51° at Corunna, 50° at Lisbon, 48° at Algiers, and 46° at Brest, Oran, and Malta. Lowest, (1) 10° at Moscow, 19° at Helsingfors, and 22° at Haparanda and Uleaborg; (2) 21° at Munich and Florence; below the freezing point over a considerable portion of the Continent, and also in the eastern and central parts of Great Britain. Daily maxima below 40° at all but our west coast stations, as well as over central France; frost occurring at night in nearly all parts of western Europe.

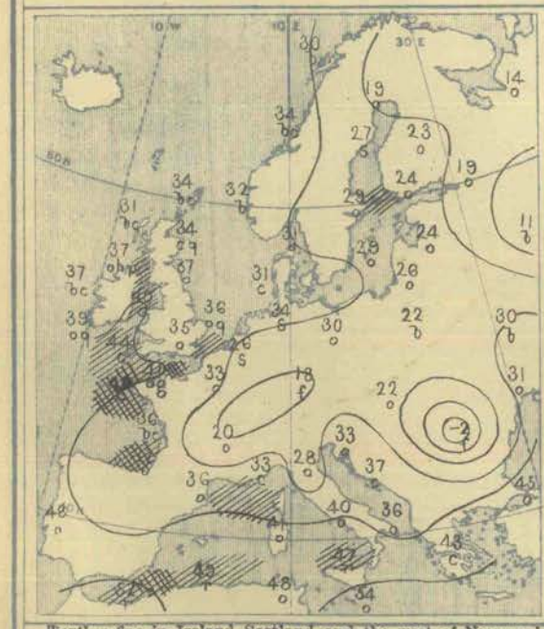
Wind Northerly or North-Westerly over our Islands, the north and west of France, and the Spanish Peninsula; strong in force at all the western stations, with a gale in the west of Ireland, as well as at Biarritz. Light to moderate from the Southward over Denmark, the Netherlands, and the north-east of France, Easterly or South-Easterly over Norway and the south of Sweden, but Southerly in the north of Sweden. South-Easterly or Easterly in the south of Russia; variable in Austria, Italy, and the south of France. Gale moderating later in the west of Ireland, but wind increasing in the Irish Sea.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying off the south-west of Spain, and also in another system over central Russia. Lowest, 29·4 ins. and less in a depression over the north-east of France and also in another system over eastern Austria; 29·5 ins. and less in a small system over the Gulf of Genoa. French depression subsequently moving southwards, and barometer rising in all parts of north-western Europe, quickly at the most northern stations. Austrian disturbance moving northwards to eastern Germany.

Friday, 4th January.

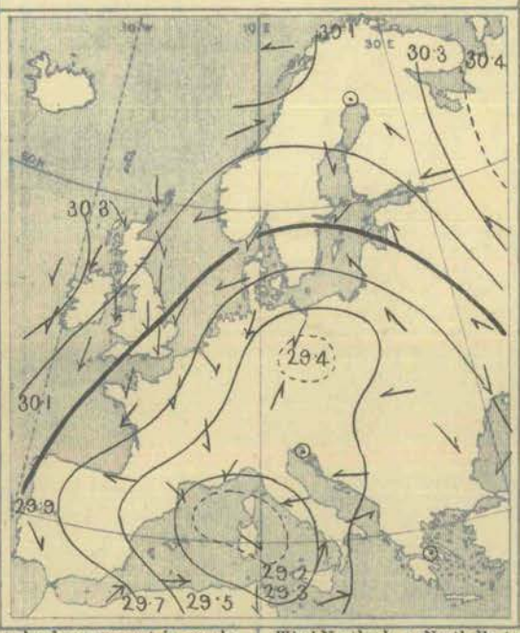
Temperature and Weather.

8 a.m.

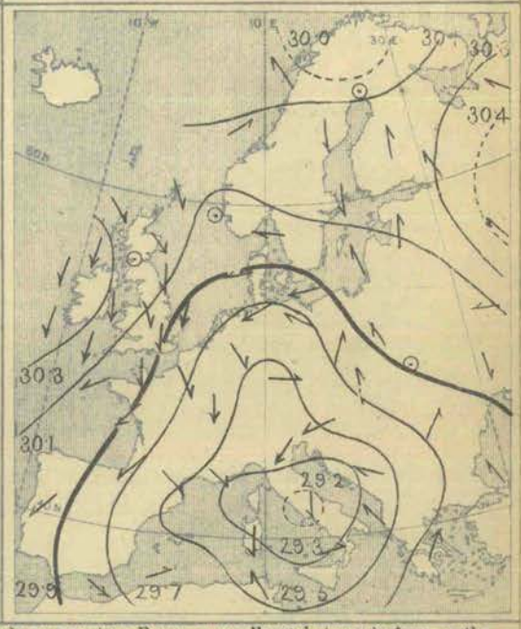


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine in Ireland, Scotland, and the west of Norway, but cloudy or overcast in nearly all other parts of our Islands and the Continent. Snow falling in the extreme south-east of England, as well as at several of the Belgian, German, and Austrian stations, rain in Algeria and also at Palermo and Nicolaieff. Snow, hail, or sleet showers falling during day in many parts of the United Kingdom and France, but weather improving in Denmark and north Germany, violent thunderstorm, with hail, occurring at Algiers.

Temperature fallen a little in Ireland and the west of Scotland, risen on our north-east coasts, changed irregularly in most other localities, but risen in Italy. Morning readings highest, 54° at Malta, 52° at Nemours, 49° at Oran, and 48° at Lisbon, Algiers, and Tunis. Lowest, − 2° Fahr. at Hermanstadt, + 11° at Moscow, 14° at Archangel, 16° at Kharkov, and 18° at Munich; below the freezing point over a considerable portion of the Continent, and also over Scotland and central Ireland. Daily maxima below 40° in many parts of the United Kingdom and France; frost occurring over the northern and central parts of our Islands at night.

Wind Northerly or North-Easterly over western Europe generally, and strong in force on the west coasts of our Islands and France; North-Westerly over the Spanish Peninsula. South-Easterly over Russia and eastern Germany and Easterly over Denmark and the Baltic, but Westerly or South-Westerly over south Germany; variable in Austria and Italy. Subsequently increasing to a moderate gale from the Northward on the east and south-east coasts of England; backing to the North-Westward in Scotland. Fresh North-Easterly winds setting in over northern Italy.

Barometer highest, 30·4 ins. and upwards in a large anticyclone over Russia; 30·3 ins. and upwards in another system lying to the westward of our Islands. Lowest, 29·2 ins. and less in a depression over Corsica and Sardinia; 29·4 ins. and less in another disturbance over Germany. Rise taking place during day in most parts of western Europe, but mercury beginning to fall in the north of Scotland. Depression over Corsica moving eastwards to Italy; disturbance over Germany entirely dispersing.

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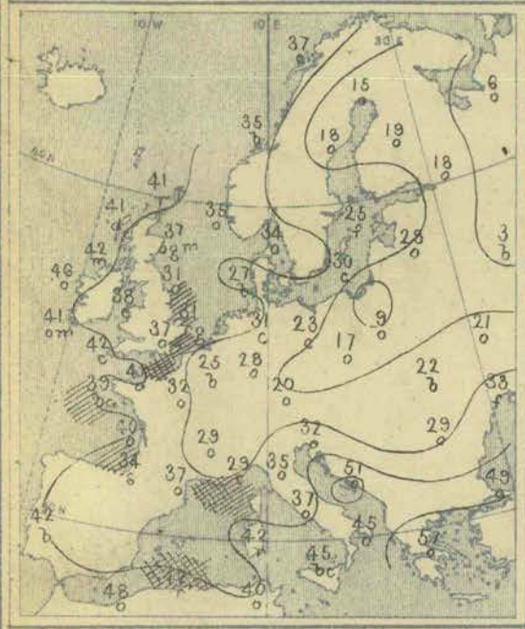
Saturday, 5th January.

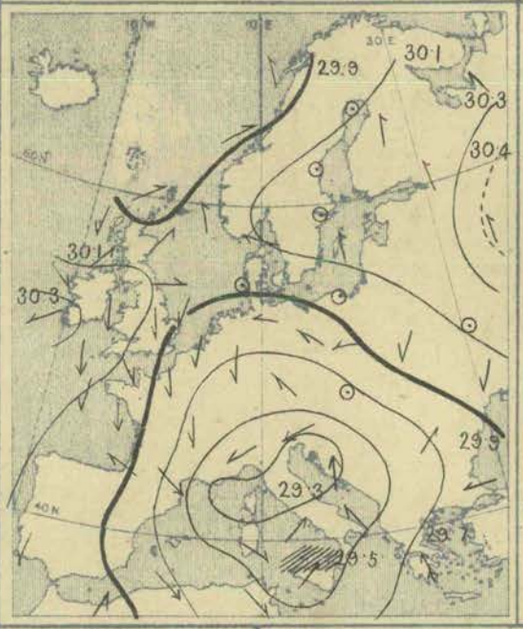
Temperature and Weather.

8 a.m.

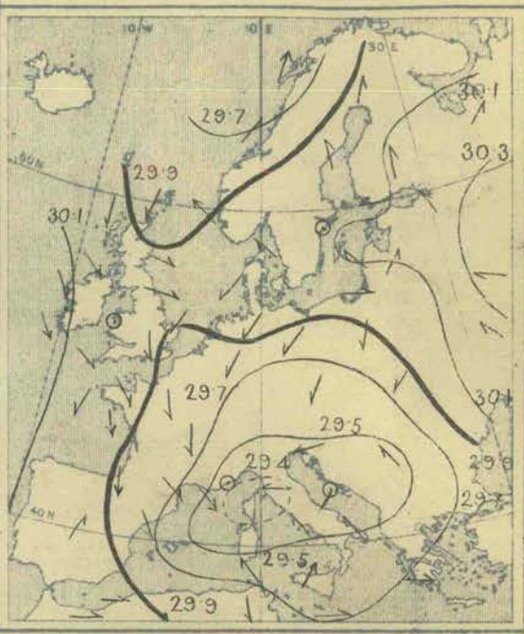


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in most parts of our Islands and the Continent, with rain or snow on our extreme north and north-west coasts, as well as in the east and south-east of England, snow falling also at several of the German and Austrian stations and at Biarritz. Snow occurring during day in many parts of western Europe; steady rain setting in at night over the south-west of our Islands. Thunderstorms occurring at Biarritz and Algiers.

Temperature fallen in England, Sweden, Denmark, and Germany, but risen in most other countries. Morning readings highest, 57° at Athens, 55° at Patras, 49° at Constantinople, and 48° at Nemours. Lowest, 3° at Moscov, 6° at Archangel, 8° at Kharkov, and 9° at Neufahrwasser and Warsaw; below the freezing point over the northern, eastern, and central parts of the Continent generally, and also over the northern parts of Great Britain. Daily maxima below 40° in many parts of Great Britain, but thermometer rising to between 45° and 50° on our extreme west and south-west coasts. Frost occurring in all but the western parts of our Islands at night.

Wind light to moderate from the Westward or South-Westward over the northern parts of our Islands, and from the South-Eastward in the west of Norway. Moderate to strong from the Northward over England, France, and Spain; Southerly or South-Westerly over the southern parts of Italy; Easterly over Germany and Denmark. Light from the South-Eastward at most of the Russian stations. Subsequently veering to the Northward over the northern parts of our Islands; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards in a large anticyclone lying over Russia; 30·3 ins. and upwards in another system lying off the south-west of Ireland. Lowest, 29·3 ins. and less in a depression over northern Italy and the neighbouring parts of the Adriatic and Mediterranean, 29·8 ins. and less in a large area lying to the westward of Norway. Barometer falling in most parts of western Europe during day, and depression beginning to form over the south-west of our Islands. Disturbance over southern Europe partially filling up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this period the deep depression which skirted the north of Scotland at the close of the previous week was moving southwards across Scandinavia and Denmark, and, on the 31st, the system dispersed over Germany. Northerly gales of gradually diminishing strength were experienced over our Islands, and strong North-Westerly winds over western Europe generally, with snow in many places.

On the 31st December a large anticyclone appeared off the west of our Islands, and, although this receded temporarily southwards on the 1st and 2nd January (when a large cyclonic disturbance passed along our extreme northern coasts), the system ultimately re-asserted itself and remained in evidence until the close of the period. By the middle of the week a second high-pressure system appeared over Russia, and, for the remainder of the time, the conditions over Europe generally were very complex. In the more southern countries the weather was influenced by a large area of low pressure of irregular shape, the central portion of which lay mostly over or in the neighbourhood of Italy, while, in the western countries, it was affected by small secondary depressions which travelled from north to south across our Islands and the North Sea. The conditions were, therefore, unsettled generally, with low temperature in most places, and with frequent snow in nearly all parts of our Islands and the Continent.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 2.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	5·0	?	10	?	EASTBOURNE	16·4	?	30	?
OSWALDKIRK (Yorkshire)	9·5	?	19	?	MANCHESTER (Oldham Road)	4·5*	?	9*	?
WORKSOP	9·9	+ 2·5	19	+ 5	TENBY	17·9*	?	33*	?
THURCASTON (Leicestershire)	15·0	+ 9·0	29	+18	NEWQUAY	14·0	?	25	?
MARGATE	6·2	?	11	?	TORQUAY	31·7*	?	57*	?
WESTBOURNE (Sussex)	27·3*	?	50*	?	ARLEY COTTAGE (County Cavan)	14·7	?	29	?
BRIGHTON	14·5	?	26	?	GUERNSEY	8·8*	?	15*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH. 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 2.] *Third Series.*

WEEK ENDING SATURDAY, JANUARY 12TH, 1895.

[*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90 RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 8.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	41	8	35·1	24·0	29·8	9 below	0	− 8	85	+52	0	− 15	152	+ 87
	1. SCOTLAND, EAST	39	−5	32·3	17·6	25·2	12 below	0	− 8	118	+78	0	− 15	189	+109
	2. ENGLAND, N.E.	42	8	34·7	23·0	29·1	9 below	0	− 8	90	+53	0	− 15	147	+ 74
	3. ENGLAND, EAST	40	2	34·1	23·6	29·1	9 below	0	− 7	90	+46	0	− 14	150	+ 64
	4. MIDLAND COUNTIES	38	9	32·6	21·5	27·3	11 below	0	− 9	103	+59	0	− 18	166	+ 80
	5. ENGLAND, SOUTH	43	15	34·2	25·8	30·2	9 below	0	−10	83	+50	0	− 21	137	+ 72
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	43	15	35·0	24·1	29·8	10 below	0	−10	85	+55	0	− 20	143*	+ 84
	7. ENGLAND, N.W.	43	17	35·1	26·3	30·9	9 below	0	− 8	78	+47	0	− 17	120	+ 59
	8. ENGLAND, S.W.	47	17	36·9	27·5	32·4	9 below	0	−15	67	+44	0	− 30	109	+ 64
	9. IRELAND, NORTH	46	12	36·9	27·6	32·4	7 below	0	−14	67	+41	0	− 27	111*	+ 59
	10. IRELAND, SOUTH	48	17	39·8	29·3	34·8	8 below	0	−20	50	+30	0	− 40	83	+ 43
	—CHANNEL ISLANDS	48	26	42·4	33·4	38·1	6 below	1	−21	32	+22	8	− 88	51	+ 31

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 8.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	6	8 less	9	− 1	1·6	− 1·1	7	0	14	0	12	− 2	10	− 3
	1. SCOTLAND EAST	2	3	4 less	6	− 1	0·6	− 0·7	11	+ 3	22	+ 6	17	− 1	22	− 1
	2. ENGLAND, N.E.	5	10	6 more	10	+ 3	1·6	+ 0·7	11	+ 1	20	+ 1	24	+ 8	22	+ 7
	3. ENGLAND, EAST	4	3	2 less	10	+ 3	1·3	+ 0·4	6	− 4	11	− 6	17	− 4	16	− 3
	4. MIDLAND COUNTIES	3	4	1 less	6	− 1	0·6	− 0·5	6	− 2	10	− 5	23	+ 6	21	+ 6
	5. ENGLAND, SOUTH	3	7	1 more	7	0	1·0	− 0·2	13	+ 1	23	+ 3	20	+ 8	25	+ 8
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	2	12 less	7*	− 2	0·7*	− 2·0	10	+ 3	19	+ 6	28	+ 14	27	+ 14
	7. ENGLAND, N.W.	3	2	6 less	7	− 1	0·6	− 0·9	7	+ 3	12	+ 5	19	+ 10	24	+ 10
	8. ENGLAND, S.W.	3	9	1 less	8	0	1·4	− 0·5	15	+ 6	27	+ 9	30	+ 16	32	+ 15
	9. IRELAND, NORTH	4	5	3 less	10	+ 1	1·4*	− 0·2	10	0	18	0	23	+ 3	20	+ 2
	10. IRELAND, SOUTH	4	16	7 more	9	+ 1	2·7	+ 0·8	13	+ 1	24	+ 3	28	+ 6	26	+ 5
	—CHANNEL ISLANDS	5	11	3 more	11	+ 2	1·8	+ 0·2	12	− 3	21	− 6	26	0	25	0

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was extremely rough and cold generally, with frequent falls of snow and sleet. Towards the end of the week the snow was very heavy at some of the south-western and western stations.

Temperature was much below the mean, the deficit varying from 6° in the Channel Islands, and 7° in Ireland N., to 9° or 10° in most other districts, 11° in the Midland Counties, and 12° in Scotland E. The highest of the maxima, which were recorded on rather irregular dates, ranged from 48° in Ireland S. and the Channel Islands, to 39° in Scotland E., and to 38° in the Midland Counties. The lowest of the minima were registered during the middle part of the week over Scotland and Ireland, but, towards its close over England. In Scotland E. (at Braemar) the sheltered thermometer fell to below zero on four consecutive days, the lowest value reached being − 5° on the 9th. In England E. (at Hillington) the lowest reading was 2°, while elsewhere the minima varied from 8° in Scotland N. and England N.E. and 9° in the Midland Counties, to 17° in England N.W. and S.W. and Ireland S., and to 26° in the Channel Islands. Towards the end of the period temperature began to rise decidedly in the west, and the rise spread eastwards with great rapidity.

Rainfall exceeded the mean in England N.E., England S., Ireland S., and the Channel Islands, the excess in England N.E. and Ireland S. being very considerable. The heaviest fall of snow recorded at any individual station was at Dublin, where that of Saturday yielded 1·80 ins. of water in the gauge, and is reported to be the heaviest snowfall since 1855. Over Scotland, the north of Ireland, and the greater part of England the fall was less than the normal.

Bright Sunshine exceeded the mean in most districts, but was less in England E., the Midland Counties, and the Channel Islands. The percentage of the possible amount ranged from 27 in England S.W. to 11 in England E., and to 10 in the Midland Counties.

Barometer and Wind.—Soon after the commencement of the week a ridge of high-pressure appeared over our Islands from the westward, the barometer being comparatively low to the westward, the eastward, and the southward. These conditions continued until towards the end of the week, when the barometer fell briskly in the south-west, and a rather deep depression spread over the country. Northerly winds, strong to a gale in the west and north, prevailed over us during the earlier part of the week; but they subsequently veered to the Eastward, South-Eastward, and Southward. A very strong gale from the South-Eastward was experienced in the south-west and west on Friday night or during Saturday, and also at some of the Scotch stations.

697 1|90 W. & S., Ltd.
213 70 1|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 7 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
		*	*	*	*	*	*				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	41	26	37·1	30·9	34·1	− 5·2	0	55	6	1·78	+0·90	*	*	*	*
	Stornoway	41	21	37·1	29·0	33·2	− 5·7	0	62	5	0·30	−0·90	5·8	0·0	12	0
	Wick	40	11	36·0	24·1	30·3	− 7·7	0	82	3	0·72	+0·22	*	*	*	*
	Glencarron ℘	38	13	33·7	19·9	27·1	−10·3	0	104	2	0·46	−1·83	*	*	*	*
	Fort Augustus ℘	40	8	32·6	17·0	25·1	−13·5	0	118	1	0·18	−0·88	3·4	?	7	?
	Fort William ℘	40	13	34·1	23·0	28·8	−10·9	0	92	2	0·08	−2·15	10·4	?	22	?
1. SCOTLAND, E.	Nairn	39	7	34·1	19·0	27·3	−10·3	0	103	2	0·13	−0·33	*	*	*	*
	Aberdeen	39	10	33·1	18·7	26·2	−11·7	0	111	4	0·57	+0·32	13·9	+ 2·6	29	+ 6
	Braemar ℘	35	−5	26·9	6·5	17·1	−17·6	0	174	3	0·46	−0·22	12·8†	?†	27†	?†
	Ochtertyre ℘	37	10	31·1	16·9	24·3	−12·3	0	124	2	0·27	−0·87	*	*	*	*
	Leith	38	18	34·4	24·4	29·6	− 9·5	0	87	1	0·01	−0·43	*	*	*	*
	Marchmont ℘	35	14	33·9	18·9	26·7	− 9·7	0	107	2	0·30	−0·33	12·3	?	25	?
2. ENGLAND, N.E.	Alnwick Castle	38	11	33·0	22·6	28·0	− 9·8	0	98	4	2·20	+1·68	*	*	*	*
	Durham	36	8	32·2	18·8	25·8	−11·1	0	113	4	0·64	+0·14	3·6	− 6·2	7	−11
	Shields	40	13	35·7	22·0	29·1	− 9·5	0	90	4	0·66	+0·24	*	*	*	*
	Scarborough ℳ	39	18	36·0	25·0	30·7	− 7·9	0	79	6	1·51	+1·05	*	*	*	*
	York	39	12	33·4	20·7	27·3	−10·3	0	103	5	0·57	+0·15	13·4	+ 7·7	25	+14
	Spurn Head	42	23	37·9	29·1	33·7	− 4·6	0	58	6	0·38	+0·06	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	40	2	34·7	18·3	26·8	−10·4	0	106	6	0·54	+0·06	5·0	− 4·5	9	− 8
	Yarmouth	38	17	36·3	27·9	32·3	− 5·5	0	68	6	0·39	−0·08	*	*	*	*
	Geldeston	39	10	35·6	22·4	29·3	− 8·9	0	89	5	0·27	−0·11	12·3	+ 0·8	22	+ 1
	Cambridge	37	17	32·4	24·6	28·7	− 8·9	0	93	1	0·07	−0·27	4·4	− 6·2	8	−11
	Rothamsted	36	22	31·5	24·8	28·3	− 8·9	0	96	3	0·13	−0·45	2·3	?	4	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	36	9	33·7	19·4	26·8	−10·6	0	106	3	0·11	−0·33	*	*	*	*
	Loughborough	38	15	32·1	21·0	26·8	−11·0	0	106	4	0·32	−0·13	*	*	*	*
	Stamford (Ketton Hall)	38	16	34·1	21·6	28·1	− 9·3	0	97	5	0·25	−0·22	*	*	*	*
	Cheadle ℳ	37	16	32·5	21·5	27·2	− 9·4	0	104	3	0·98	+0·36	*	*	*	*
	Solihull	35	11	30·0	21·1	25·7	−12·7	0	114	2	0·43	?	*	*	*	*
	Churchstoke ℳ	34	10	32·3	19·8	26·3	−11·7	0	110	1	0·25	−0·43	5·4	− 4·2	10	− 8
	Hereford ℳ	37	19	33·0	24·8	29·1	− 9·5	0	90	2	0·83	+0·25	*	*	*	*
	Cirencester	36	11	34·0	21·0	27·8	− 9·8	0	99	2	0·39	−0·31	5·0	− 4·5	9	− 8
	Oxford	38	13	31·4	23·3	27·5	−10·8	0	102	2	0·33	−0·17	1·3	− 7·3	2	−14
5. ENGLAND, S.	London	37	23	33·4	28·0	30·9	− 8·3	0	78	2	0·12	−0·37	3·7†	− 2·0†	7†	− 2†
	North Foreland	39	24	35·9	29·1	32·6	− 6·5	0	66	4	0·65	?	*	*	*	*
	Strathfield Turgiss ℳ	37	20	32·4	22·6	27·7	−10·3	0	100	3	0·53	−0·01	*	*	*	*
	Dungeness	41	22	35·0	26·3	30·8	− 9·3	0	78	4	0·28	−0·32	*	*	*	*
	Hastings (St. Leonards)	36	24	34·1	27·5	30·9	− 9·2	0	78	3	0·17	−0·49	19·0	+ 6·3	34	+12
	Southampton	37	19	34·9	25·4	29·8	−10·2	0	85	2	1·20	+0·43	9·6	− 0·4	17	− 1
	Hurst Castle	43	20	36·3	25·7	31·2	− 9·5	0	76	2	1·30	+0·63	*	*	*	*
	Stowell ℳ	37	15	32·7	22·1	27·6	−11·0	0	101	2	1·19	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	43	19	37·0	23·6	31·0	− 9·0	0	77	6	0·19	−1·87	*	*	*	*
	Glasgow	37	15	31·4	21·7	26·7	−11·7	0	107	1	0·08	−0·87	5·8	+ 1·3	12	+ 4
	Ardrossan	39	21	34·9	25·1	30·2	−10·1	0	83	2	0·04	−0·92	*	*	*	*
	Glenlee ℘	36	15	32·6	19·1	26·1	−11·3	0	111	2	0·17	−1·55	*	*	*	*
	Douglas (Isle of Man)	41	23	38·4	31·1	34·9	− 5·7	0	50	4	0·37	−0·89	13·6	+ 4·7	26	+ 9
7. ENGLAND, N.W.	Stonyhurst	36	19	32·3	24·6	28·6	− 9·4	0	94	3	0·06	−0·92	5·8	− 0·9	11	− 2
	Blackpool ℳ	37	17	34·3	22·6	28·7	− 9·7	0	93	3	0·25	−0·43	9·8	+ 3·2	19	+ 7
	Manchester (Prestwich)	36	17	34·5	22·6	28·8	− 9·2	0	92	2	0·10	−0·65	3·1	?	6	?
	Liverpool Obsy. (Bidston)	36	22	33·4	26·0	29·9	− 9·8	0	85	2	0·18	−0·34	*	*	*	*
	Llandudno ℳ	40	26	37·3	30·2	33·9	− 7·6	0	57	3	0·30	−0·36	13·6	+ 6·2	25	+11
	Holyhead	43	29	38·6	31·7	35·3	− 7·2	0	47	2	0·13	−0·67	*	*	*	*
8. ENGLAND, S.W.	Llandovery	37	17	34·6	23·3	29·2	−11·1	0	90	2	0·24	−0·98	*	*	*	*
	Pembroke	44	30	40·3	32·7	36·7	− 6·2	0	37	4	0·74	−0·14	16·0	+ 5·6	29	+ 9
	Bristol (Montpelier)	36	18	32·9	24·2	28·7	−10·7	0	93	2	0·52	−0·28	*	*	*	*
	Arlington (N. Devon)	37	24	34·9	26·4	30·8	− 8·9	0	78	2	0·39	−0·70	*	*	*	*
	Cullompton ℳ	39	17	35·7	24·3	30·2	− 9·7	0	83	2	1·03	+0·25	8·9	+ 1·2	16	+ 2
	Falmouth	47	28	40·4	31·6	36·2	− 7·7	0	41	3	1·67	+0·43	19·9	+ 9·5	35	+17
	Plymouth	39	23	37·6	27·7	32·9	− 9·2	0	64	4	1·86	+0·94	13·0	+ 3·8	23	+ 6
	Prawle Point	44	27	39·0	29·6	34·5	− 7·6	0	53	4	0·53	−0·20	*	*	*	*
9. IRELAND, N.	Malin Head	43	27	38·0	32·1	35·2	− 5·0	0	48	1	0·09	?	*	*	*	*
	Londonderry	42	24	37·1	27·6	32·5	− 7·9	0	67	4	0·43	−0·49	*	*	*	*
	Edenfel (Omagh)	40	19	33·7	25·4	29·7	− 9·3	0	86	3	0·85	+0·05	*	*	*	*
	Belmullet	46	29	40·0	33·1	36·7	− 6·4	0	37	6	0·32	?	*	*	*	*
	Markree Castle	45	20	36·8	26·9	32·1	− 7·5	0	69	4	0·38	−0·42	15·0	+ 5·3	28	+11
	Brookeborough	41	15	36·4	23·3	30·1	− 8·2	0	83	3	1·12	+0·12	*	*	*	*
	Armagh	39	12	35·4	23·2	29·5	− 9·5	0	88	3	0·17	−0·49	4·2	− 5·3	8	− 9
	Donaghadee	44	27	39·3	31·6	35·6	− 4·7	0	45	6	0·53	−0·14	*	*	*	*
	Edgeworthstown	42	19	35·6	24·9	30·5	− 8·5	0	81	4	0·26	−0·44	*	*	*	*
10. IRELAND, S.	Dublin	42	17	37·0	27·8	32·6	− 9·2	0	66	6	3·01	+2·51	12·1	+ 0·4	22	0
	Parsonstown	42	19	36·2	26·9	32·1	− 7·9	0	69	4	0·44	−0·27	11·5	+ 1·0	21	+ 1
	Kilkenny	42	18	36·1	26·0	31·3	− 9·8	0	75	4	1·19	+0·39	*	*	*	*
	Roche's Point	46	27	42·7	33·6	38·3	− 5·3	2	31	4	1·85	+0·63	*	*	*	*
	Valencia	48	28	43·3	33·0	38·4	− 6·7	4	34	4	2·58	+1·07	16·2	+ 4·0	29	+ 8
	Killarney	48	20	43·9	29·6	37·0	− 6·6	0	35	3	1·37	?	*	*	*	*
	Foynes	44	24	38·7	28·0	33·6	− 8·5	0	59	3	0·87	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	48	31	44·4	35·7	40·2	− 5·9	7	25	6	1·49	+0·62	22·0	?	30	?
	Jersey	43	26	40·3	31·1	35·9	− 6·5	0	43	4	0·92	−0·06	11·5	− 3·2	19	− 6

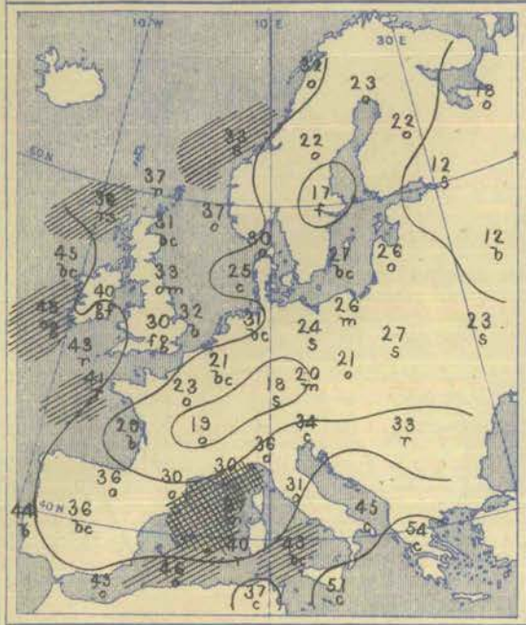
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℘ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

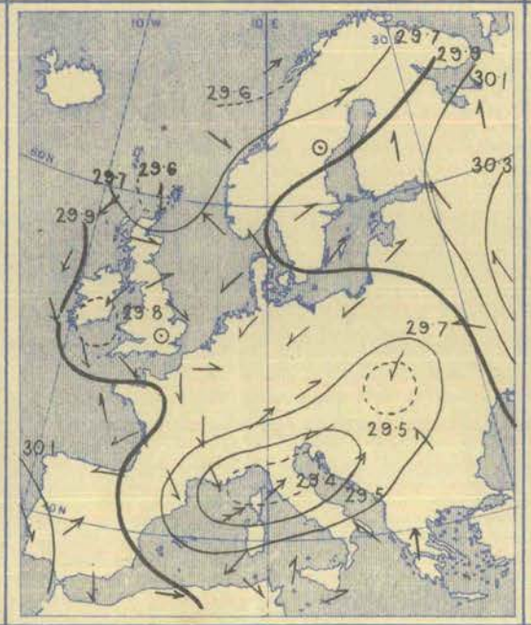
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 6th January.

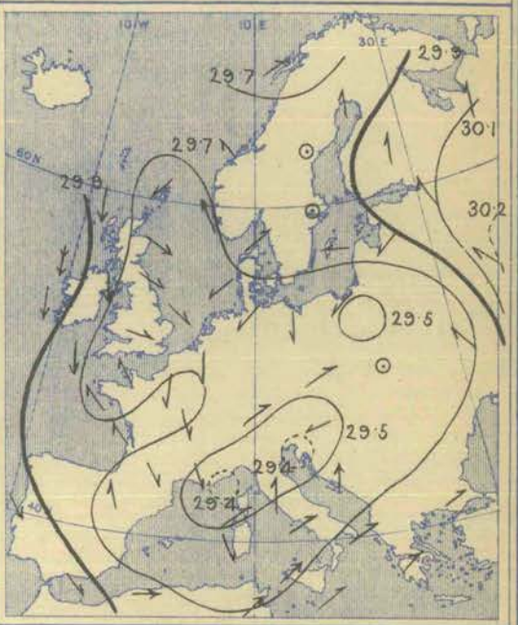
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over the Iberian Peninsula and the greater part of France, fine locally, but temporarily, in many other parts of Europe also, but, as a whole, changeable and unsettled, with snow or cold rain over the Gulf of Bothnia, Hungary, and the greater part of Scotland. Snow, hail, or cold rain falling over all the western and northern parts of the United Kingdom later and the north-west of France, and considerable falls over Germany, Italy, and Algeria.

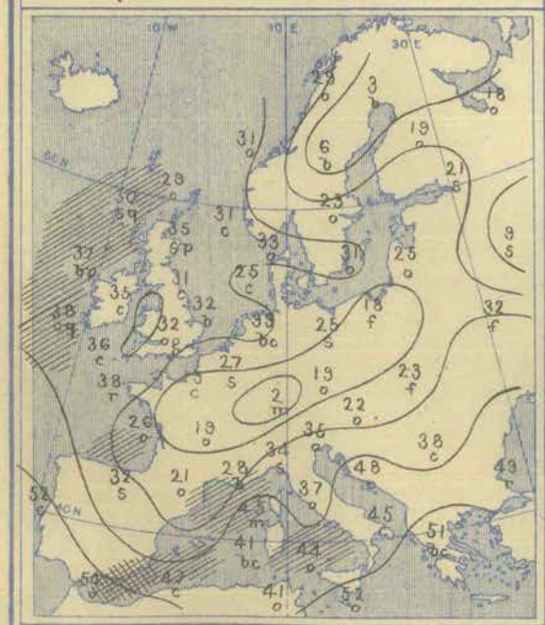
Temperature risen slightly over the eastern half of Europe, fallen in the west, changing very irregularly over the British Islands. Morning readings highest, 54° at Athens, 51° at Malta, 48° to 46° in the south of Ireland, 44° at Lisbon. Lowest, 10° at Kharkov, 12° at Moscow and St. Petersburg, 18° at Archangel, 17° at Moscow, 18° at Munich, 23° at Paris, 26° to 28° over central England. Falling in most places later, and becoming severely cold at the Swedish stations and over Bavaria.

Wind extremely variable, but becoming Northerly over the northern and western parts of the British Islands, and increasing in force. Strong gales from North and North-North-East felt over Scotland and Ireland later, and Easterly winds setting in over the Bay of Biscay, North-Easterly over the English Channel. Very variable winds continuing over the Continent.

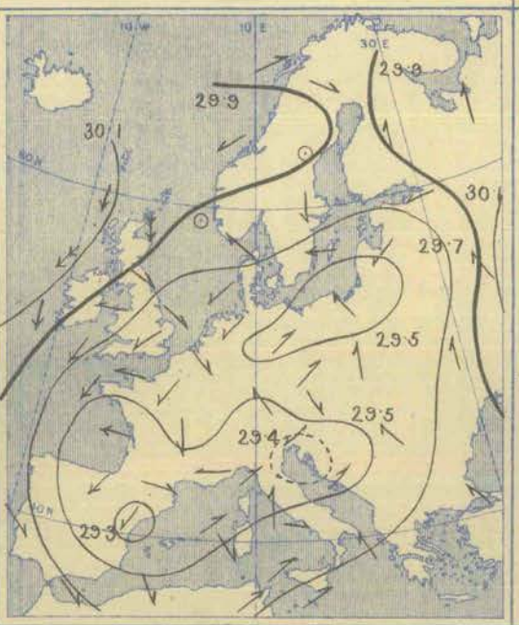
Barometer highest, 30·3 ins. to 30·0 ins. over Russia and 30·1 ins. to 30·0 ins. over Spain. Lowest, (1) 29·4 ins. and less in a complex series of depressions over the northern parts of the Mediterranean and Adriatic and over Austria-Hungary; (2) below 29·6 ins. over Finmark and the extreme north-east of Scotland; and (3) below 29·8 ins. in a depression covering St. George's Channel and the neighbouring regions. Latter disturbance moving eastwards later, and barometer rising over Ireland and Scotland.

Monday, 7th January.

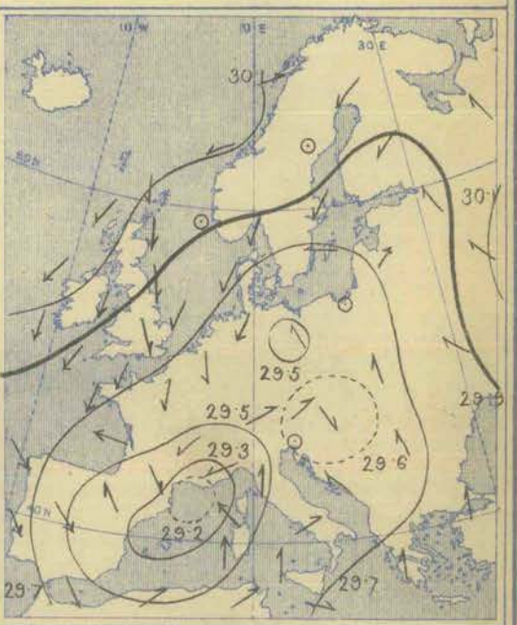
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over Sweden and at some of the Mediterranean stations, but in a cloudy, unsettled condition as a whole, with snow showers in many localities (even at Biarritz and Barcelona), and fog over Austria-Hungary and the south of Russia. Snow showers falling later, except over northern Europe, and soft hail in many places.

Temperature falling in the north and north-west. Morning readings highest, 54° at Nemours, 52° at Malta, 51° at Athens; below 40° over nearly the whole of Europe, 38° at Valencia (Ireland), 36° at Scilly. Lowest, (1) 3° Fahr. at Haparanda, 6° at Hernösand, 9° at Moscow, 15° at Neufahrwasser, 19° at Paris and Lyons, 21° at Perpignan; (2) 27° at Liverpool, 28° to 29° over our Midland Counties. Falling fast over Scotland and Ireland later, but rising a little over England.

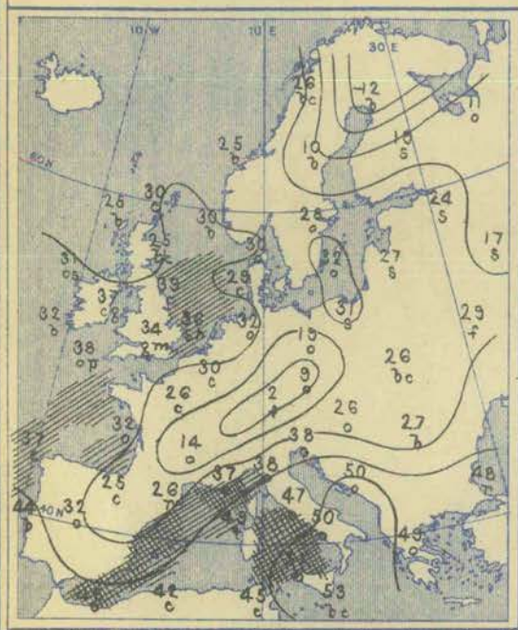
Wind North-Easterly over the Baltic, the North Sea, England, and France, Northerly, strong to a gale in force, over Scotland and Ireland; very variable over the Mediterranean, but Westerly and strong over northern Africa, South-Easterly and Southerly over south-eastern Europe and Russia. Westerly breeze appearing over Lapland later, but the gale in Scotland and Ireland dying down.

Barometer highest, (1) 30·1 ins. and more at Belmullet and Stornoway, and exceeding 29·9 ins. over the greater part of Ireland, Scotland, and the west of Norway; (2) exceeding 29·8 ins. in the south of Portugal; (3) 30·1 ins. and more to 29·9 ins. over Russia. Lowest, 29·3 ins. at Barcelona, 29·4 ins. at Trieste and also over north Germany. Rising generally over the United Kingdom and north-western Europe during the day, but inclined to fall again over Scotland at night.

Wyman & Sons, Lt.d Lith. 63, Carter Lane.

Tuesday, 8th January.

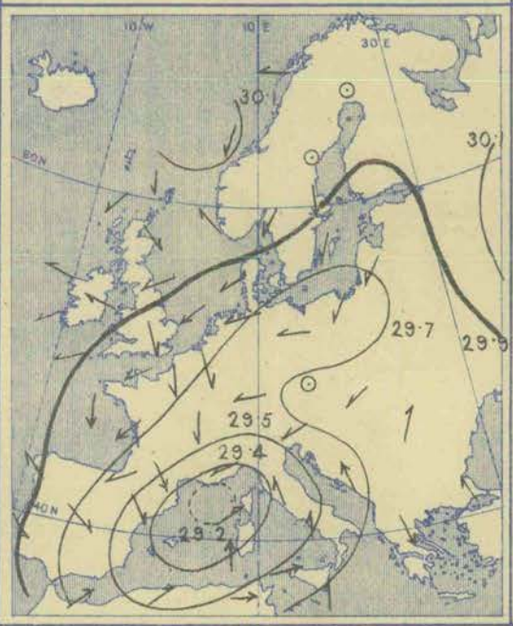
Temperature and Weather. 8 a.m.

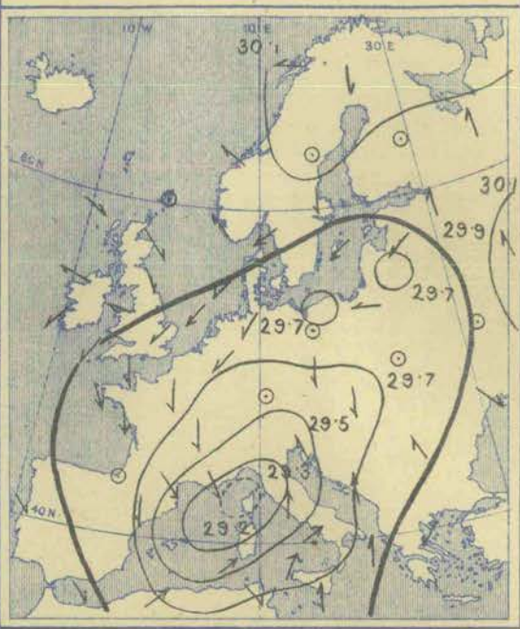


Weather in morning fine and bright over Ireland, Scotland, and Scandinavia, cloudy, overcast, or foggy elsewhere, with slight snow showers in many localities (even at Tunis), and rain at Marseilles and Constantinople. Very slight showers of snow and graupel locally over the British Islands later, but heavy falls of snow in some parts of southern Europe, and considerable amounts of rain in Italy; lunar halo seen at Aberdeen.

Temperature fallen fast in Scotland, Ireland, Norway, and central Europe, risen over France. Morning readings highest, 54° at Cagliari, 53° at Malta, 51° at Palermo, 50° at Lesina, and 41° at Lisbon, but below 40° over the western and north-western countries as a whole. Hard frost prevailing over the northern and central regions generally; lowest values, (1) −12° Fahr. at Haparanda, + 11° at Archangel, 17° at Moscow, and 24° at St. Petersburg; (2) 2° Fahr. at Munich, 9° at Prague, 15° at Cracow, 19° at Berlin; (3) 21° at Wick and 23° at Parsonstown. Touching 40° at very few of our own or the French stations later, but reaching 43° at Scilly and 41° at Nice; exceeding 50° over central and southern Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



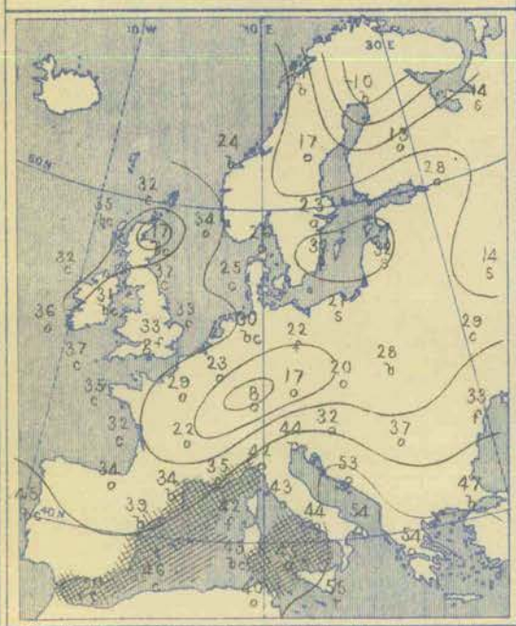


Wind Northerly and North-Easterly over northern and north-western Europe as a whole, and blowing freshly at several stations, moderate to light at the others; extremely light and variable over Russia and central Europe. A well-marked cyclonic circulation prevailing over the Mediterranean and Adriatic. The North-Easterly wind falling light over our Islands and north-western Europe later, strong winds setting in over southern Europe and the Mediterranean, from North-West in the south of France, but from the Southward in Italy.

Barometer highest, 30·9 ins. and more over the Hebrides and west of Ireland, and apparently still higher over the neighbouring parts of the Atlantic; (2) 30·1 ins. and more to 29·9 ins. over Russia. Lowest, 29·2 ins. and less to 29·3 ins. in a depression off the south of France, and below 29·7 ins. over north Germany. Falling in the west and north of our Islands later, rising over England, France, and Germany. Depression over Mediterranean increasing in depth.

Wednesday, 9th January.

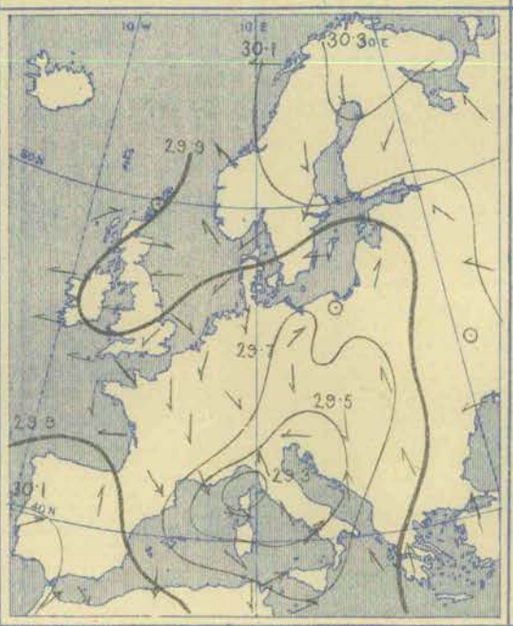
Temperature and Weather. 8 a.m.

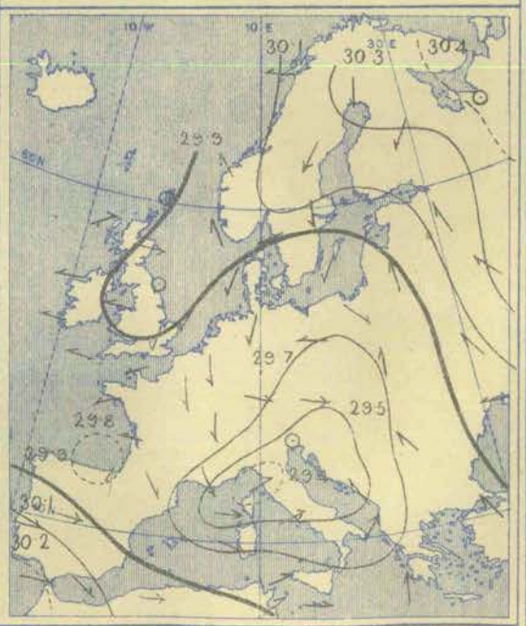


Weather in morning varying greatly in different parts of the United Kingdom; fine in some places, but dull or foggy in others; snow was falling in the north-east of England. Fine and bright in the west of Norway and also at some of the Spanish stations; cloudy or dull in all other parts of the Continent, with fog in the south of Russia, snow in many places, and rain at Trieste, Leghorn, and Malta. Snow falling during day in the east and south-east of England, heavy rain at Biarritz and Leghorn, and large quantities of snow at some of the Austrian stations.

Temperature changed very irregularly. Morning readings highest, 55° at Malta, 54° at Brindisi and Athens, 53° at Lesina, and 50° at Oran. Lowest, (1) − 10° Fahr. at Haparanda, − 3° at Ulealborg, and + 13° at Knopio; (2) 8° at Munich, and 17° at Breslau and Prague; (3) 17° at Aberdeen, below the freezing point over all but the southern European countries, and over all but the extreme northern and south-western parts of our Islands. Daily maxima below the freezing point in eastern and central Scotland, and very little above it in some parts of England; hard frost occurring over our Islands at night.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind light from the Eastward over the greater part of Ireland and England; Southerly or South-Westerly in the north of Scotland, and South-Easterly in the west of Norway. Moderate to strong from the North-Eastward or Northward over Sweden and Denmark, and light from the same quarters over the Netherlands, western Germany, and central France. Strong from the North-Westward in the south of France, moderate from the Westward over Sicily and Malta. Southerly or South-Easterly over the Adriatic and the central parts of Italy. Scarcely any change taking place over western Europe during day.

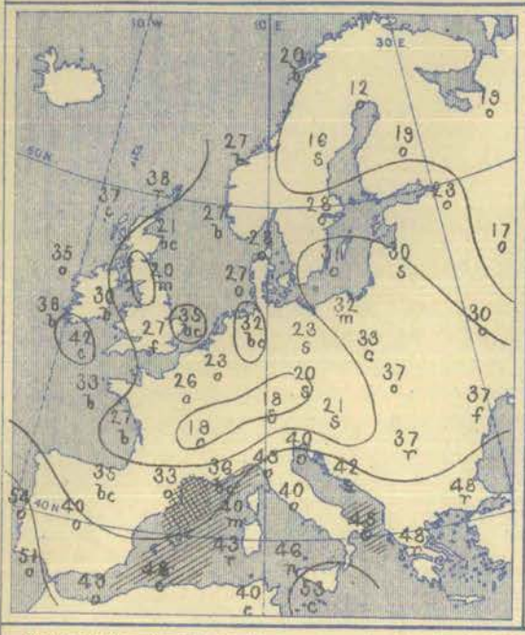
Barometer highest, 30·3 ins. and upwards in an anticyclone over Lapland; 30·1 ins. and upwards in another system off the south-west of Spain. Lowest, 29·3 ins. and less in a rather deep depression over the Gulf of Genoa (gradients steep over the south of France), 29·8 ins. and less in a shallow system lying to the north-westward of our Islands. Shallow disturbances appearing later off our south-west coasts and the southern part of the Bay of Biscay, but changes in pressure over western Europe very slight.

Wyman & Sons, Lt. Lith. 63, Carter Lane.

Thursday, 10th January.

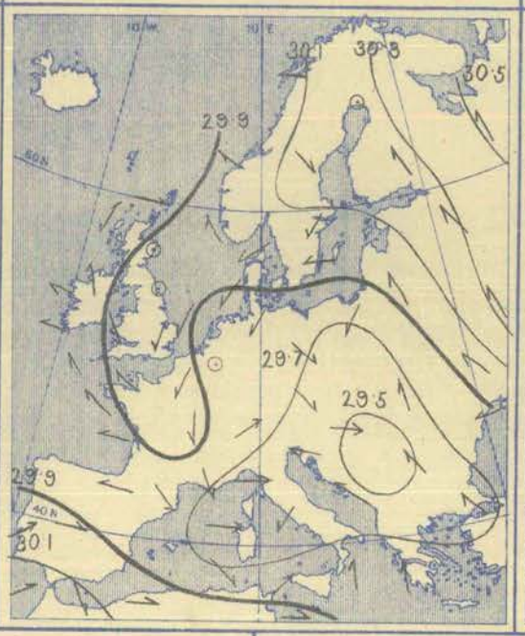
Temperature and Weather.

8 a.m.

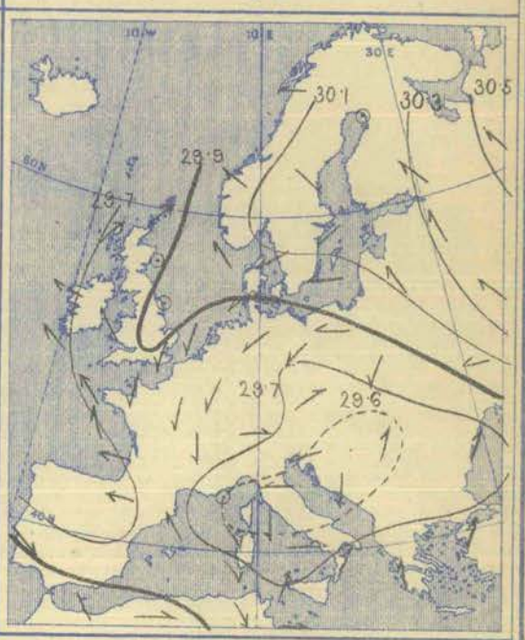


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the greater part of the United Kingdom, with fog in places, and rain in the Shetlands. Fine in the west of Norway and also in the west and south of France, but dull in most other parts of the Continent, with snow at several of the German and Austrian stations, as well as at Hernösand and Riga. Snow falling during day in isolated parts of our Islands, and heavy rain at Sumburgh Head and Valencia (Ireland). Lunar halos seen at Stornoway and Belmullet.

Temperature fallen in the eastern and central parts of England and also in France, but risen in most other localities. Morning readings highest, 54° at Lisbon, 53° at Malta, 51° at San Fernando, and 49° at Oran. Lowest, (1) 12° at Haparanda, 16° at Hernösand, and 17° at Moscow; (2) 16° at York and 18° at Leith; (3) 18° at Munich and 19° at Lyons, below the freezing point over nearly the whole of Great Britain and all but the southern parts of the Continent. Remaining below 32° all day at many of our eastern and central stations; not exceeding 24° at Loughborough and Oxford. Hard frost occurring over Great Britain at night.

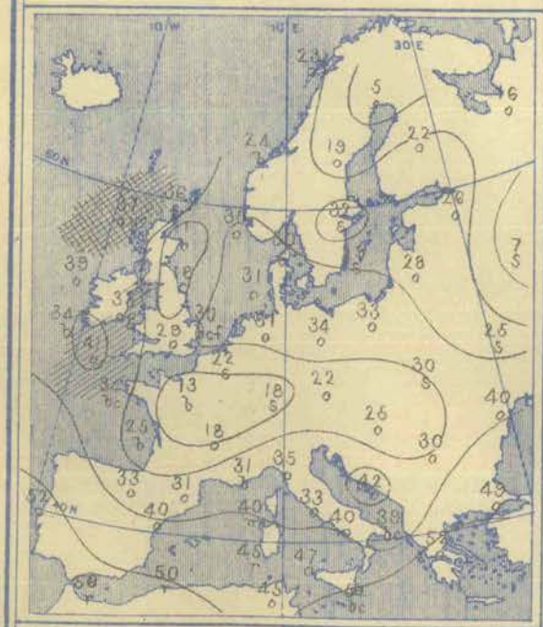
Wind light to fresh from East or South-East over the western parts of our Islands and France, but South-Westerly in the north of Scotland, and South-Easterly or Easterly in the west of Norway. Light from the North-Eastward or Northward over Sweden, Denmark, north Germany, the Netherlands, central France, and the eastern and central parts of England. Chiefly Westerly in Austria; North-Westerly in the south of France, Southerly or South-Westerly in the south of Italy, Westerly or South-Westerly in Spain. Subsequently increasing to a strong breeze from the South-Eastward at the mouth of the Channel, no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards over northern Russia; 30·0 ins. and upwards in an anticyclone covering nearly the whole of Russia and Scandinavia. Lowest, 29·5 ins. and less in a depression over eastern Austria, 29·8 ins. and less in a large shallow area lying to the south-west, west, and north of our Islands. Fall of barometer taking place during day in most parts of western Europe, change being greatest in Ireland.

Friday, 11th January.

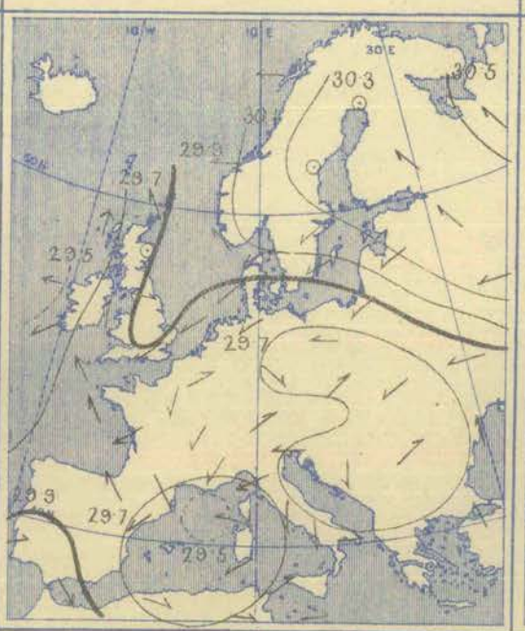
Temperature and Weather.

8 a.m.

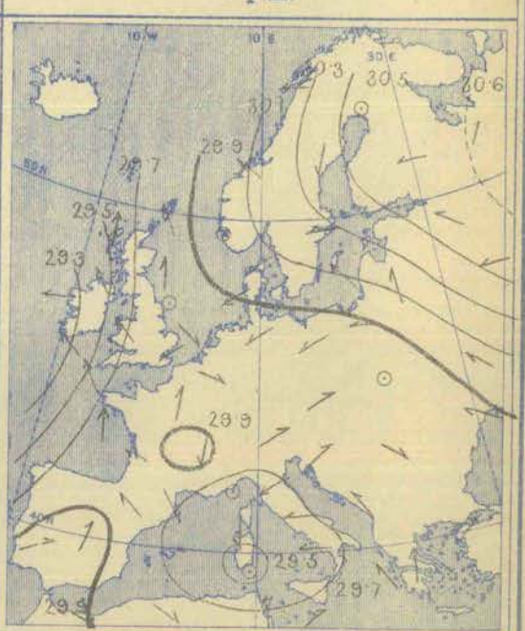


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over France, the Channel Islands, the south-west of Ireland, and at some stations in the east of Scotland and west of Norway, rainy in the east of Ireland. Very foggy over England, dull and unsettled over northern and central Europe, with snow at several stations; 0·9 in. of rain at Roche's Point during day, and 0·6 in. at Valencia, and smaller quantities of cold rain, or of snow, in the north of Ireland, the Shetlands, and in Belgium and north Germany.

Temperature fallen over France and the eastern parts of Great Britain, risen over Germany and the north-west of our Islands. Morning readings highest, 56° at Nemours, 54° at Malta, 50° at Algiers and Athens, 49° at Constantinople, 42° at Lésina. Lowest, (1) 5° Fahr. at Haparanda, 7° at Moscow, 18° at Kharkov, 28° at Riga; (2) 13° at Paris, 17° at Lyons, 18° at Munich; (3) 11° at Aberdeen, 14° at York, 19° at Oxford. Rising fast later over the east of Scotland and at many of our western stations, falling fast at night over the south-east of England.

Wind (1) Easterly, light over Russia, moderate to fresh over the Baltic, light, North-Easterly, over Holland, and Northerly over the east of England; (2) Southerly on our western coasts and increasing considerably in strength, Easterly to South-Easterly over France and the English Channel; (3) Easterly on the northern and Westerly on the southern sides of the Mediterranean. Rising to a gale from South on our western coasts later.

Barometer highest, (1) 30·5 ins. and more to 30·3 ins. over the northern half of Russia, with Finland; (2) 30·0 ins. to 29·8 ins. over the south-western half of the Spanish Peninsula. Lowest, 29·5 ins. and less off the west of Ireland, and below 29·7 ins. over north Germany, Austria-Hungary, and the greater part of south-eastern Europe. Depression approaching our western coasts later, and barometer falling over the United Kingdom generally, rising over northern Europe.

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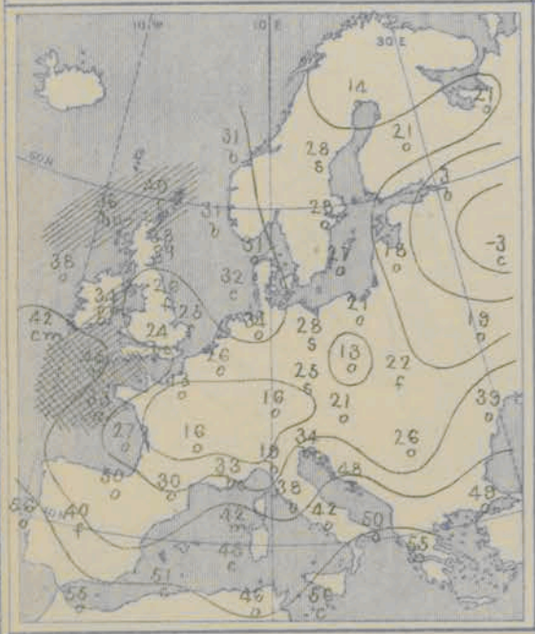
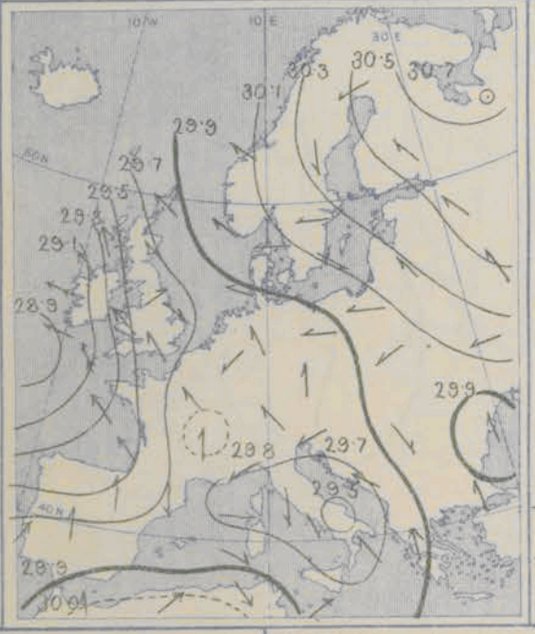
Saturday, 12th January.

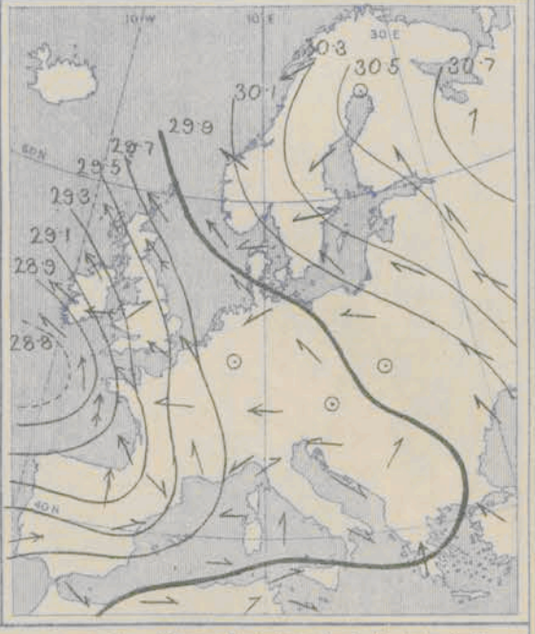
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over central France on the one hand, and over northern Europe and central Russia on the other; unsettled elsewhere,—in most places cloudy or overcast with local falls of snow, and in the west of our Islands very squally and rainy, with wet snow in places. More than an inch of rain and snow (melted) later both at Valencia and Hurst Castle, nearly an inch at Lorient, and 0·75 in. at Scilly; smaller quantities over our Islands generally, but little or none over Norway and central Europe.

Temperature rising over Great Britain after a very sharp fall. Morning readings highest, 56° at Malta and Lisbon, 55° at Athens and Nemours, 50° at Biarritz, 45° at Scilly and Roche's Point. Lowest, − 3° Fahr. at Moscow, + 3° at St. Petersburg, 14° at Haparanda, and below 20° over nearly the whole of Russia; 13° at Paris and Limoges, 16° at Lyons and Munich; 16° at York, 17° at Cambridge, 24° at Loughborough and Leith. Rising to between 32° and 48° over our Islands later, and still higher over Brittany.

Wind Easterly, moderate to strong, over northern Europe, Easterly or South-Easterly, light, over Russia; Southerly to South-Easterly over the British Islands, and blowing a gale on all our western coasts, Southerly over Spain. A well-marked cyclonic circulation prevailing over Italy, the Adriatic, and eastern parts of the Mediterranean. The South-Easterly gale in the west spreading to all parts of our Islands later, and blowing with great force on the north-east coasts of Scotland.

Barometer highest, (1) 30·7 ins. and more over the extreme north of Russia, and ranging between that value and 30·0 ins. over Scandinavia and Russia generally; (2) 30·0 ins. and more over Algeria, and exceeding 29·7 ins. over the southern half of Spain; (3) 29·8 ins. and more over the eastern-central parts of France. Lowest, 28·9 ins. and less in a depression having its centre off the south-west of Ireland, and about 29·5 ins. in another depression over Italy. Depression off Irish coast spreading eastwards later, but its centre moving very slightly northwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the barometer was high both over Russia and the Atlantic, and low over Finland in the north and the Mediterranean and central Europe in the south. A gradual movement in an easterly direction then took place in the systems over the more northern parts of Europe; the western high-pressure area became united with that over Russia and Scandinavia, and formed a "ridge" which, on Wednesday, Thursday, and Friday, stretched south-westwards from Sweden and Norway across the North Sea to the British Islands, and caused severe frosts over the United Kingdom. In the rear of this system Southerly and South-Easterly winds set in, rising quickly to a hard gale over the British Islands, accompanied by heavy local falls of snow and, subsequently, rain, with a complete break up of the frost. Over Russia, however, and central Europe, the cold was still intense.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 8.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	3·1	?	6	?	EASTBOURNE	14·8	?	26	?
OSWALDKIRK (Yorkshire)	14·4	?	27	?	MANCHESTER (Oldham Road)	0·7*	?	1*	?
WORKSOP	9·2	+ 1·7	17	+ 3	TENBY	14·8*	?	27*	?
THURCASTON (Leicestershire)	7·2	+ 0·9	13	+ 1	NEWQUAY	20·0	?	35	?
MARGATE	3·4	?	6	?	TORQUAY	14·7*	?	26*	
WESTBOURNE (Sussex)	23·1*	?	41*	?	ARLEY COTTAGE (County Cavan)		?		
BRIGHTON	18·9	?	32	?	GUERNSEY	2·9*	?	5*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 3.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 19TH, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 14.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	44	23	40·5	33·8	37·2	2 below	0	− 8	34	+ 1	0	− 23	186	+ 88
	1. SCOTLAND, EAST	42	24	38·1	31·7	35·0	2 below	0	− 8	49	+ 9	0	− 23	238	+118
	2. ENGLAND, N.E.	44	16	39·6	32·2	36·1	2 below	0	− 7	41	+ 3	0	− 22	188	+ 77
	3. ENGLAND, EAST	46	16	41·6	32·8	37·4	0 (average)	0	− 7	32	−12	0	− 21	182	+ 52
	4. MIDLAND COUNTIES	46	21	40·3	32·5	36·6	1 below	0	− 9	38	− 6	0	− 27	204	+ 74
	5. ENGLAND, SOUTH	50	24	44·7	36·3	40·6	1 above	8	− 2	23	−10	8	− 23	160	+ 62
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	43	21	39·3	32·3	35·9	3 below	0	−10	43	+13	0	− 30	186	+ 97
	7. ENGLAND, N.W.	45	26	39·7	32·9	36·4	3 below	0	− 8	39	+ 8	0	− 25	159	+ 67
	8. ENGLAND, S.W.	49	26	45·6	36·0	41·0	0 (average)	10	− 5	25	+ 2	10	− 35	134	+ 66
	9. IRELAND, NORTH	46	21	39·5	32·6	36·2	4 below	0	−14	41	+15	0	− 41	152	+ 74
	10. IRELAND, SOUTH	47	26	42·3	35·0	38·8	4 below	1	−19	26	+ 6	1	− 59	109	+ 49
	—CHANNEL ISLANDS	53	31	48·7	40·6	44·8	1 above	25	+ 4	4	− 6	33	− 34	55	+ 26

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 14.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	4 less	15	0	2·5	− 1·6	4	− 4	8	− 8	16	− 7	8	− 5
	1. SCOTLAND EAST	6	17	11 more	12	+ 2	2·3	+ 0·3	4	− 9	8	−18	21	− 10	17	− 6
	2. ENGLAND, N.E.	6	16	12 more	16	+ 6	3·2	+ 1·8	4	− 5	6	− 9	28	+ 3	16	+ 1
	3. ENGLAND, EAST	5	10	5 more	15	+ 5	2·3	+ 0·9	7	− 4	12	− 7	24	− 8	14	− 5
	4. MIDLAND COUNTIES	6	15	10 more	12	+ 2	2·1	+ 0·4	6	− 3	11	− 5	29	+ 4	18	+ 3
	5. ENGLAND, SOUTH	6	12	6 more	13	+ 3	2·2	+ 0·3	11	0	20	0	40	+ 9	22	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	6	9 less	13	0	1·3	− 2·7	3	− 4	6	− 7	31	+ 10	20	+ 7
	7. ENGLAND, N.W.	7	14	7 more	14	+ 3	2·0	− 0·2	2	− 5	3	− 9	21	+ 5	17	+ 4
	8. ENGLAND, S.W.	7	20	10 more	15	+ 3	3·4	+ 0·5	15	+ 4	25	+ 7	51	+ 20	29	+ 12
	9. IRELAND, NORTH	5	6	2 less	15	+ 2	2·0	− 0·4	4	− 5	7	− 9	26*	− 3	16	− 2
	10. IRELAND, SOUTH	6	12	2 more	15	+ 3	3·9	+ 1·1	5	− 7	9	−12	33	− 2	20	− 1
	—CHANNEL ISLANDS	7	14	6 more	18	+ 5	3·2	+ 0·8	20	+ 5	33	+ 9	46	+ 6	28	+ 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued in a very unsettled condition generally; rain was experienced very frequently and was heavy at times, notably in Scotland on the 16th or 17th and over England on the 19th.

Temperature slightly exceeded the mean in England S. and the Channel Islands, and just equalled it in England E. and S.W.; elsewhere it continued below the mean, the deficit ranging from 4° in Ireland to 3° in Scotland W. and England N.W., and to 1° in the Midland Counties. The highest of the maxima were registered towards the close of the week, when they varied from 53° in the Channel Islands and 50° in England S. to 43° in Scotland W. and 42° in Scotland E. The lowest of the minima, which were recorded at the commencement of the period over England, on the 16th or 17th in Scotland, and on irregular dates in Ireland, varied from 16° in England N.E. and E. to 21° in the Midland Counties, Scotland W., and Ireland N., and to 31° in the Channel Islands.

Rainfall was considerably less than the mean in Scotland N. and W., and rather so in Ireland N.; in all other districts there was an excess, that in nearly every case being large.

Bright Sunshine exceeded the mean in England S.W. and the Channel Islands, and just equalled it in England S., but was below in all other districts. The percentage of the possible duration ranged from 33 in the Channel Islands and 25 in England S.W., to 6 in England N.E. and Scotland W., and to 3 in England N.W.

Barometer and Wind.—The depression which appeared off our south-west coasts at the close of last week and broke up the frost which had previously prevailed, continued to influence the winds and weather over our Islands during the greater part of this period. After remaining off our south-western coasts for a few days and causing strong winds or gales from the South-Eastward, it moved first to the South-Eastward and then slowly North-Eastwards and Northwards, finally dispersing off the north-east of Scotland early on the 19th. During its passage it became less deep, and the winds consequently decreased in force. At the end of the period a new disturbance was spreading over our more southern coasts from the south-westward and the winds were again increasing from the South-Eastward and Eastward.

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213 70 1|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 13 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	35	40·7	36·7	38·8	- 0·6	0	22	6	1·30	+0·45	*	*	*	*
	Stornoway	42	34	41·3	34·9	38·2	- 0·8	0	27	7	1·57	+0·37	2·0	-4·2	4	- 8
	Wick	43	30	42·1	35·6	39·0	+ 0·9	0	24	7	0·77	+0·30	*	*	*	*
	Glencarron S	40	23	37·9	29·7	33·9	- 3·7	0	57	5	1·00	-1·28	*	*	*	*
	Fort Augustus S	43	28	40·2	32·0	36·3	- 2·6	0	40	7	0·33	-0·72	3·0	?	6	?
	Fort William S	43	31	40·5	33·7	37·2	- 2·5	0	34	5	0·65	-1·60	7·6	?	15	?
1. SCOTLAND, E.	Nairn	40	27	38·3	31·6	35·1	- 2·6	0	48	7	1·47	+1·02	*	*	*	*
	Aberdeen	42	34	41·1	35·4	38·4	+ 0·5	0	25	7	2·27	+1·75	3·3	- 8·9	6	-18
	Braemar S	36	24	34·8	29·2	32·1	- 2·8	0	69	6	1·71	+1·01	3·0†	?†	6†	?†
	Ochtertyre S	39	28	38·1	31·6	35·0	- 1·7	0	49	5	2·01	+0·83	*	*	*	*
	Leith S	42	24	39·9	30·7	35·5	- 3·7	0	46	6	0·88	+0·44	*	*	*	*
	Marchmont S	37	28	36·1	31·4	33·8	- 2·8	0	57	6	2·09	+1·48	5·5	?	11	?
2. ENGLAND, N.E.	Alnwick Castle	41	22	39·6	31·4	35·7	- 2·2	0	44	6	2·17	+1·69	*	*	*	*
	Durham	39	28	37·0	31·2	34·2	- 2·8	0	55	6	1·55	+1·08	6·3	- 3·8	12	- 6
	Shields	42	26	41·0	32·7	37·0	- 1·8	0	35	6	1·90	+1·50	*	*	*	*
	Scarborough M	44	30	41·2	33·5	37·5	- 1·3	0	32	6	1·26	+0·82	*	*	*	*
	York	40	16	38·7	30·9	35·0	- 2·9	0	49	7	1·59	+1·17	0·0	- 6·3	0	-11
	Spurn Head	41	25	39·9	33·7	36·9	- 1·3	0	36	7	1·13	+0·83	*	*	*	*
3. ENGLAND, E.	Hillington M	42	30	39·7	33·7	36·8	- 0·4	0	36	7	0·87	+0·44	6·1	- 3·9	11	- 6
	Yarmouth	43	24	41·3	33·1	37·4	- 0·5	0	32	6	0·76	+0·31	*	*	*	*
	Geldeston	46	30	41·9	34·1	38·2	- 0·2	0	27	6	0·77	+0·34	7·7	- 4·4	14	- 7
	Cambridge	45	16	42·6	30·6	36·8	- 0·9	2	42	4	1·01	+0·66	6·3	- 4·8	11	- 8
	Rothamsted	46	25	42·3	32·5	37·6	+ 0·2	1	35	7	1·46	+0·88	6·5	?	11	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	40	32	37·9	32·9	35·5	- 2·2	0	46	6	1·55	+1·13	*	*	*	*
	Loughborough	46	23	41·1	32·7	37·1	- 0·9	0	34	7	1·29	+0·84	*	*	*	*
	Stamford (Ketton Hall)	44	21	40·4	31·0	35·9	- 1·8	0	43	7	0·88	+0·46	*	*	*	*
	Cheadle M	41	27	38·0	32·0	35·1	- 1·6	0	48	6	2·06	+1·46	*	*	*	*
	Solihull	44	25	39·8	32·1	36·1	- 2·4	0	41	7	1·39	?	*	*	*	*
	Churchstoke M	42	25	38·8	32·7	35·9	- 2·3	0	43	4	1·52	+0·86	4·0	- 6·2	7	-11
	Hereford M	45	26	40·9	31·7	36·5	- 2·3	0	39	7	2·11	+1·53	*	*	*	*
	Cirencester	45	26	42·1	32·6	37·5	- 0·3	0	34	7	1·08	+0·38	9·3	- 1·0	16	- 2
	Oxford	46	26	43·9	34·7	39·5	+ 0·9	5	28	6	1·57	+1·07	8·9	- 0·3	16	0
5. ENGLAND, S.	London	48	24	44·4	34·9	39·8	+ 0·6	7	28	7	0·83	+0·35	5·7†	- 0·4†	10†	0†
	North Foreland	46	25	43·3	34·0	38·8	- 0·5	4	30	5	0·54	?	*	*	*	*
	Strathfield Turgiss M	48	31	44·1	34·9	39·7	+ 1·7	6	28	6	1·38	+0·82	*	*	*	*
	Dungeness	46	30	45·1	37·9	41·6	+ 1·7	9	17	6	0·58	-0·02	*	*	*	*
	Hastings (St. Leonards)	46	29	44·9	37·4	41·3	+ 1·2	8	19	7	1·53	+0·88	10·6	- 2·4	18	- 4
	Southampton	50	30	46·1	37·3	41·9	+ 1·9	11	21	6	1·57	+0·81	13·8	+ 3·4	24	+ 6
	Hurst Castle	47	31	45·9	39·7	42·9	+ 2·1	16	6	7	1·40	+0·73	*	*	*	*
	Stowell M	49	28	43·4	34·0	38·9	+ 0·2	4	30	7	1·95	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	43	28	41·8	32·6	37·4	- 2·9	0	32	5	0·52	-1·51	*	*	*	*
	Glasgow	40	29	38·2	33·2	35·8	- 2·8	0	43	5	0·73	-0·23	3·3	- 1·9	6	- 3
	Ardrossan	43	29	39·7	33·4	36·7	- 3·8	0	37	6	0·26	-0·71	*	*	*	*
	Glenlee S	39	21	37·3	30·1	33·8	- 3·6	0	57	6	0·69	-1·09	*	*	*	*
	Douglas (Isle of Man)															
7. ENGLAND, N.W.	Stonyhurst	39	30	36·9	32·8	34·9	- 3·1	0	50	7	1·23	+0·30	2·7	- 4·6	5	- 8
	Blackpool M	44	27	40·6	31·2	36·1	- 2·2	0	41	7	1·43	+0·75	1·3	- 5·9	2	-11
	Manchester (Prestwich)	41	27	38·6	32·2	35·5	- 2·5	0	46	7	1·84	+1·12	1·8	?	3	?
	Liverpool Obsy. (Bidston)	42	26	39·7	32·4	36·2	- 3·7	0	41	7	1·67	+1·17	*	*	*	*
	Llandudno M	45	29	40·6	34·6	37·7	- 3·9	0	30	6	0·92	+0·27	3·9	- 4·5	7	- 8
	Holyhead	44	29	42·0	34·1	38·2	- 4·1	0	27	6	1·49	+0·72	*	*	*	*
8. ENGLAND, S.W.	Llandovery	47	26	43·3	30·6	37·2	- 3·2	4	43	7	1·45	+0·24	*	*	*	*
	Pembroke	47	33	45·9	39·9	43·0	+ 0·3	16	6	7	1·66	+0·80	9·5	- 1·5	17	- 3
	Bristol (Montpelier)	47	30	44·3	36·6	4·6	+ 1·2	6	22	7	2·03	+1·24	*	*	*	*
	Arlington (N. Devon)	48	29	44·6	33·9	39·5	- 0·2	7	32	7	2·19	+1·18	*	*	*	*
	Cullompton M	48	29	45·0	31·9	38·7	- 1·4	8	39	7	2·64	+1·86	13·2	+ 4·9	23	+ 9
	Falmouth	49	35	46·6	38·8	42·9	- 1·0	20	9	7	1·93	+0·69	18·3	+ 7·5	31	+13
	Plymouth	49	33	47·9	38·3	43·3	+ 1·2	25	10	7	2·12	+1·20	13·5	+ 3·5	23	+ 6
	Prawle Point	49	32	46·9	38·3	42·8	+ 0·8	21	10	7	1·56	+0·81	*	*	*	*
9. IRELAND, N.	Malin Head	42	32	41·1	36·0	38·7	- 1·6	0	23	5	0·25	?	*	*	*	*
	Londonderry	41	27	38·9	31·8	35·5	- 4·7	0	46	5	0·69	-0·23	*	*	*	*
	Edenfel (Omagh)	39	23	37·3	31·7	34·6	- 4·5	0	52	4	0·26	-0·54	*	*	*	*
	Belmullet	46	33	41·9	35·1	38·6	- 4·5	0	24	7	0·77	?	*	*	*	*
	Markree Castle	42	23	40·1	30·4	35·4	- 4·6	0	46	5	0·46	-0·32	1·8	- 8·4	3	-14
	Brookeborough	41	21	37·6	31·1	34·5	- 4·1	0	53	5	0·41	-0·59	*	*	*	*
	Armagh	40	26	38·2	32·3	35·4	- 3·8	0	46	4	0·83	+0·18	7·1	- 3·0	13	- 4
	Donaghadee	42	30	41·9	34·1	38·2	- 2·1	0	27	7	0·89	+0·22	*	*	*	*
	Edgeworthstown	40	26	38·5	30·8	34·9	- 4·3	0	50	5	0·55	-0·14	*	*	*	*
10. IRELAND, S.	Dublin	43	31	41·7	34·6	38·3	- 3·6	0	26	6	1·93	+1·44	4·8	- 7·2	9	-13
	Parsonstown	44	30	39·9	33·0	36·6	- 3·5	0	38	7	0·56	-0·14	2·1	- 9·0	4	-16
	Kilkenny	46	26	41·7	33·0	37·5	- 3·7	0	32	7	1·39	+0·59	*	*	*	*
	Roche's Point	47	35	44·7	37·9	41·4	- 2·3	8	17	7	1·15	-0·09	*	*	*	*
	Valencia	46	32	43·7	36·6	40·3	- 4·8	5	21	5	1·62	+0·11	7·5	- 5·7	13	- 9
	Killarney	45	32	43·3	34·8	39·2	- 4·5	4	27	5	0·60	?	*	*	*	*
	Foynes	44	34	41·2	35·0	38·2	- 4·1	0	27	7	0·86	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	41	49·0	41·9	45·6	- 0·5	26	0	7	1·35	+0·50	17·6	?	30	?
	Jersey	50	31	48·3	39·3	44·0	+ 1·8	25	8	7	1·41	+0·70	20·2	+ 5·1	34	+ 9

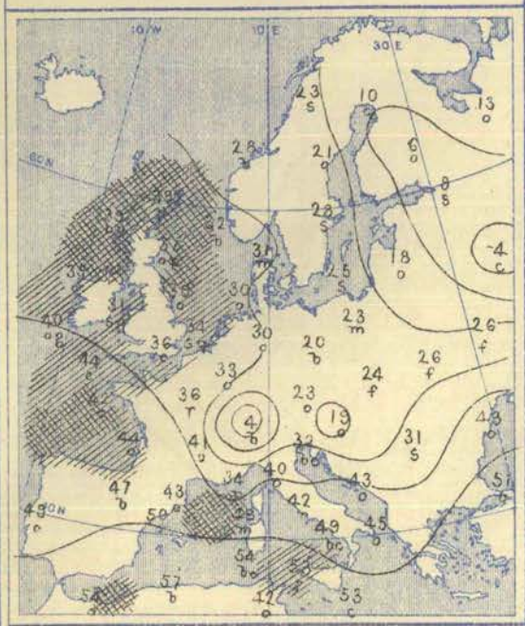
Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

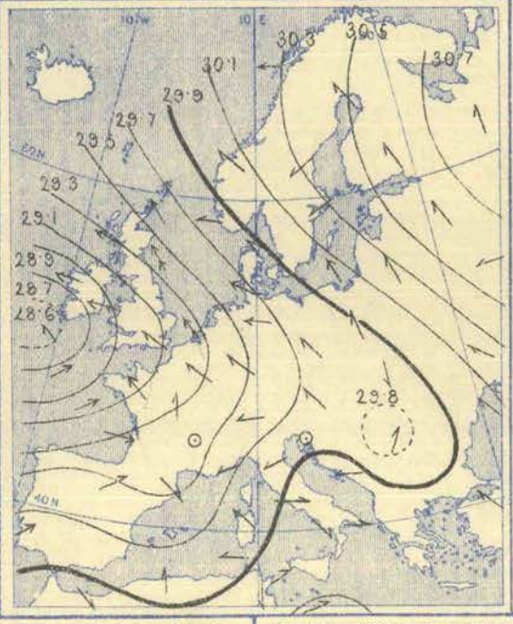
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 13th January.

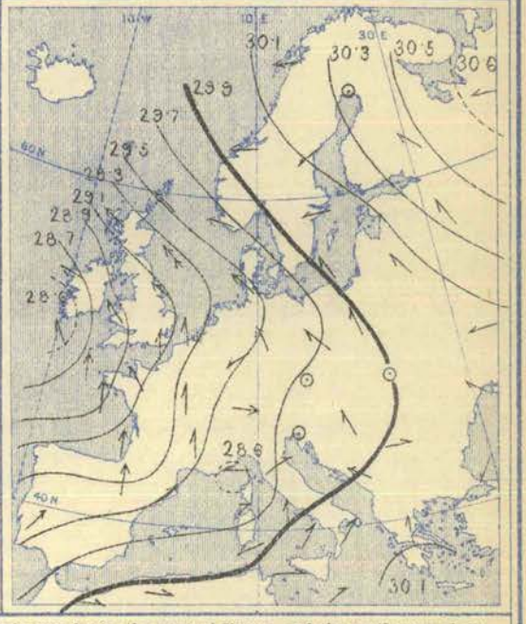
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather dull and unsettled over nearly the whole of Europe, with snow or rain in our Islands, rain in many parts of France and northern Italy, and snow in the south of Sweden, as well as at Bodö, St. Petersburg, and Hermanstadt. Fine in the west of Norway and also at some of the Austrian stations. Large quantities of rain or snow falling during day in many parts of western and southern Europe, and thunderstorms occurring in the west of France. Weather improving considerably over the southern parts of Italy.

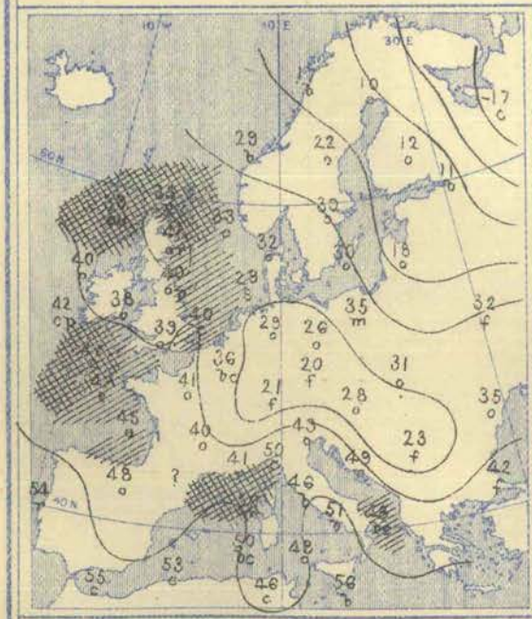
Temperature risen rapidly in France and many parts of Great Britain, and to a less extent over Italy and the Mediterranean, but fallen in most other localities. Morning readings highest, 57° at Algiers, 54° at Sanguinaire and Nemours, and 53° at Palermo and Malta. Lowest, – 4° Fahr. at Moscow, + 4° at Munich, 6° at Kuopio, 9° at St. Petersburg, and 10° at Haparanda; below the freezing point over northern, eastern, and central Europe generally, as well as in north Wales and central England. Rising during day to 49° and upwards in most parts of the United Kingdom, to 45° and upwards in the south-west of our Islands and the west of France, and to 50° and upwards over the greater part of southern Europe.

Wind South-Westerly or Westerly over Spain, the west of France, and the south-west of our Islands, but Easterly or South-Easterly over the whole of north-western, northern, and central Europe, with gales on nearly all parts of the British and Irish coasts. Variable in Austria and chiefly Westerly in Italy, but Easterly or North-Easterly in the south of France. Subsequently backing to the Southward over the Bay of Biscay and our south-west coasts; gales in our Islands subsiding in all places excepting the north of Scotland.

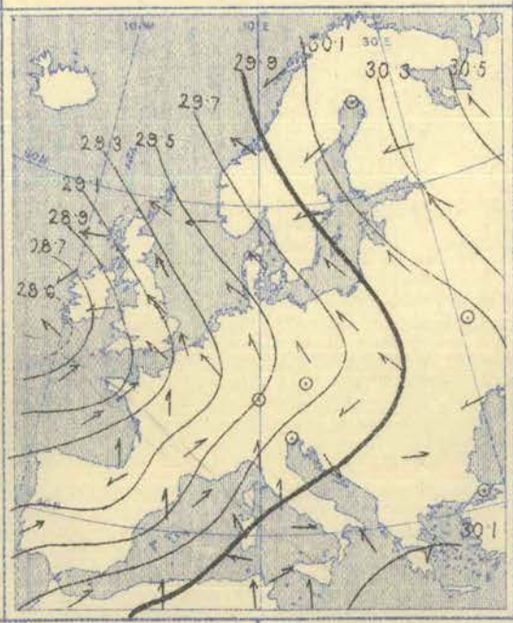
Barometer highest, 30·7 ins. and upwards over northern Russia; 30·1 ins. and upwards in an anticyclone covering nearly the whole of Russia and Scandinavia. Lowest, 28·6 ins. and less in a depression having its centre off the south-west of Ireland (gradients steep over western Europe generally); 29·8 ins. and less in a shallow system over eastern Austria. Barometer falling during day in nearly all parts of our Islands and the Continent, but general distribution of pressure remaining unchanged.

Monday, 14th January.

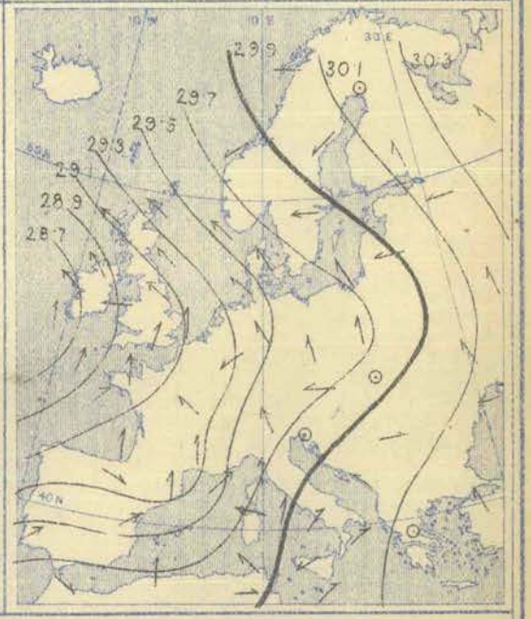
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather dull over nearly the whole of our Islands and the Continent, with rain in many parts of the United Kingdom and France, as well as at Lisbon. Fine over the central and southern parts of Italy. Rain falling during day over western Europe generally, heavily at many of the French stations, and snow in several parts of Russia, Denmark, and Scandinavia. Solar halo seen at Jersey and lightning at Valencia in evening.

Temperature risen generally. Morning readings highest, 56° at Malta, 55° at Nemours, 54° at Lisbon and Oran, and 53° at Algiers, above 50° at several of the Mediterranean stations. Lowest, – 17° Fahr. at Archangel, + 10° at Haparanda, 11° at Uleaborg and St. Petersburg, and 12° at Kuopio; below the freezing point in nearly all parts of northern, eastern, and central Europe. Rising during day to 40° and upwards in all parts of the United Kingdom excepting the north of England, and to 45° and upwards on our extreme south and south-west coasts, exceeding 55° in many parts of southern Europe and reaching 68° at Palermo.

Wind moderate to strong from the South-Westward over Spain and the Bay of Biscay, and from the Southward on our own southern coasts; South-Easterly in the northern parts of the United Kingdom, and blowing a moderate gale in the north of Scotland. Easterly or South-Easterly over the greater part of northern, eastern, and central Europe, with a gale in the south of Norway. Variable in Austria; chiefly Southerly or South-Westerly in Italy. No important change occurring during day, but wind increasing from the South-Westward in the south of France.

Barometer highest, 30·5 ins. and upwards over northern Russia, 30·1 ins. and upwards in an anticyclone covering the whole of Russia and the north of Sweden. Lowest, 28·6 ins. and less in a well-marked depression off the south-west of Ireland; gradients rather steep over many parts of western and southern Europe. Depression subsequently moving slowly westwards, and barometer rising over the greater part of the United Kingdom.

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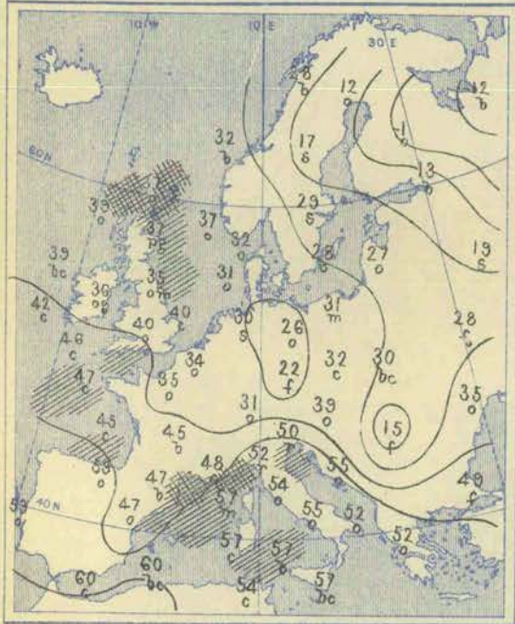
Tuesday, 15th January.

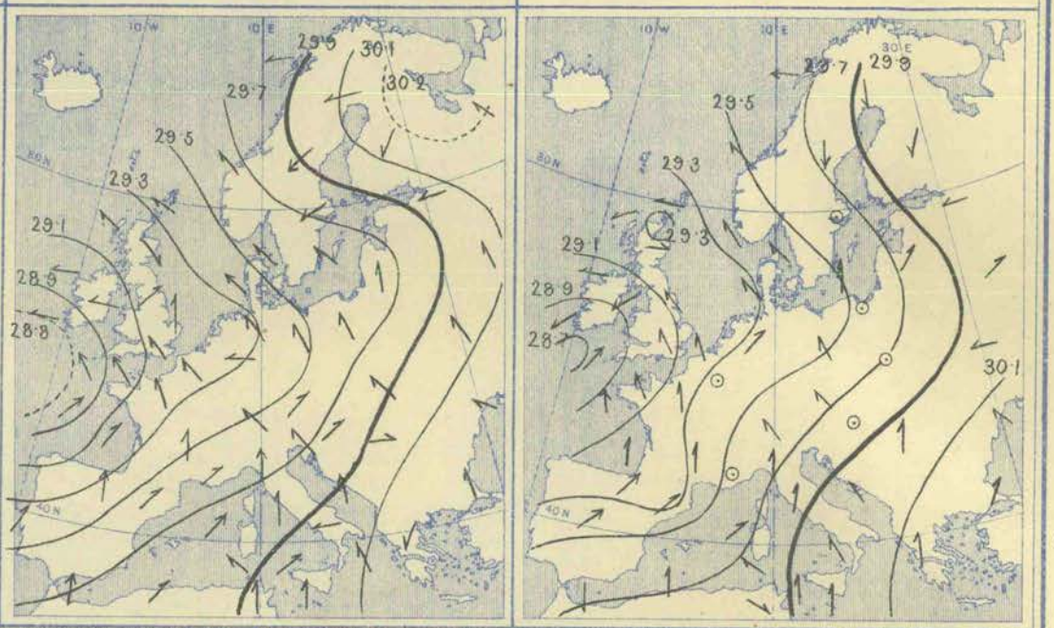
Temperature and Weather. 8 a.m.



Weather in morning dull over the greater part of our Islands and the Continent, with fog in places, and rain on our own south-west and north-east coasts, as well as at Florence and Trieste. Snow falling over central Sweden and also at Moscow and Cuxhaven. Fine over the south of France and the central and southern parts of the Mediterranean. Rain falling during day in nearly all parts of our Islands and France, heavily in places; snow falling at St. Petersburg. Lunar halo seen at Dungeness and lightning at Jersey.

Temperature risen over central and southern Europe, but changed irregularly elsewhere. Morning readings highest, 60° at Oran and Algiers, 59° at Nemours, and 57° at Sanguinaires, Cagliari, Palermo, and Malta; above 50° over Italy and many parts of Spain. Lowest, – 12° Fahr. at Archangel, – 1° at Kuopio, + 6° at Kharkov, and 12° at Haparanda; below the freezing point in most of the northern, eastern and central countries. Daily maxima above 40° in most parts of the United Kingdom, and above 45° on our south and south-west coasts; thermometer rising to 60° and upwards in many parts of southern Europe, the highest reading of all being 73° at Palermo.

Barometer and Wind. 8 a.m. 6 p.m.

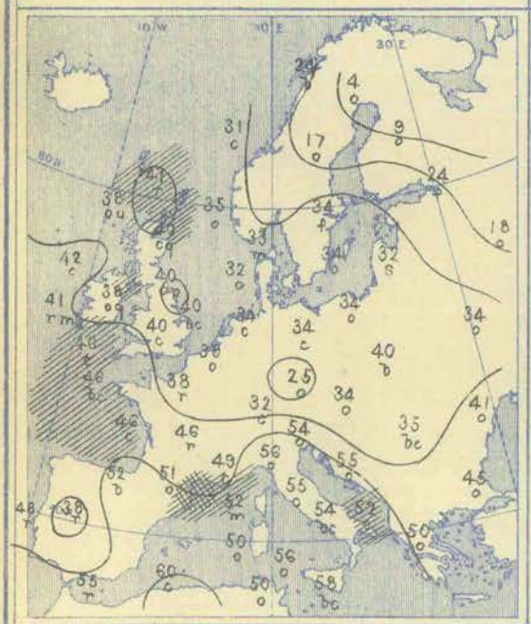


Wind light to fresh from the South-Eastward or Eastward over the greater part of Europe, but Southerly or South-Westerly over the west and south of France, the Spanish Peninsula, and the Algerian coasts. Subsequently veering to the South-Westward in the south-west of England, but backing to the North-Eastward in the south of Ireland; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over the south of Russia, 30·2 ins. and upwards over the north of that country. Lowest, 28·8 ins. and less in a depression lying to the south-westward of our Islands; shallow secondary disturbances found over various parts of western and central Europe. Depression in south-west subsequently advancing slowly north-eastwards, and barometer falling a little in most parts of the United Kingdom.

Wednesday, 16th January.

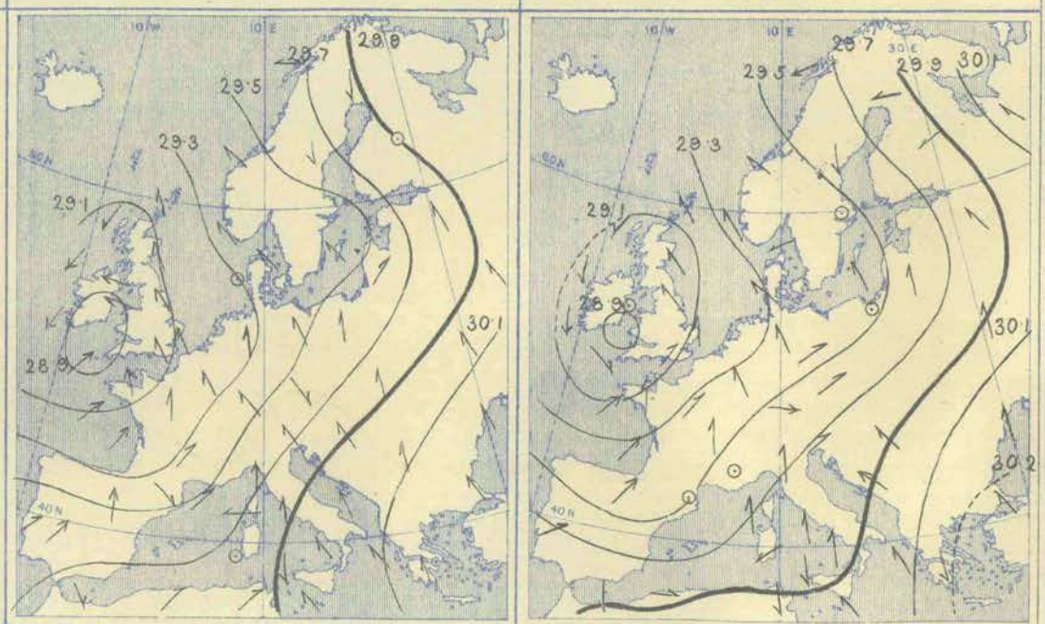
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull in nearly all parts of our Islands and the Continent; rain falling at many of our own stations, as well as in central France, western Germany, and some parts of the Spanish Peninsula. Snow reported at Nairn and also at Riga. Rain falling during day over western Europe generally, as well as in the south of France and northern Italy, with a thunderstorm at Nice. Snow at several of the Swedish and Russian stations.

Temperature risen a little in many parts of Ireland and Scotland and also in Norway, but fallen in most other countries. Morning readings highest, 60° at Algiers, 58° at Malta, and 56° at Leghorn and Palermo; above 50° in most parts of southern Europe. Lowest, 4° at Haparanda, 5° at Uleaborg, 9° at Kuopio, and 17° at Hernösand; below the freezing point over the greater part of northern, eastern, and central Europe, and also over central Scotland. Rising during day to 40° and upwards over our Islands generally, and to 45° and upwards in the south of England; exceeding 60° in many parts of southern Europe, and reaching 75° at Palermo. Frost occurring over the northern and central parts of our Islands at night.

Barometer and Wind. 8 a.m. 6 p.m.



Wind moderate to strong from the Southward or South-Westward over Spain, France, and the south of England; Northerly or North-Easterly in Ireland. Light to moderate from the South-Eastward over the eastern parts of Great Britain, as well as over a considerable portion of northern, eastern, and central Europe, but Northerly over the northern parts of Sweden, moderate to strong from South or South-East in Italy; variable in Algeria. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards over Greece and the neighbouring parts of the Mediterranean; 30·0 ins. and upwards over the greater part of Russia. Lowest, 28·9 ins. and less in a well-marked depression lying over the west of our Islands; shallow secondary disturbances found over various parts of western Europe. Depression in west subsequently advancing slowly north-eastwards, but beginning to fill up gradually; barometer rising in the west and south of our Islands, but falling in the north.

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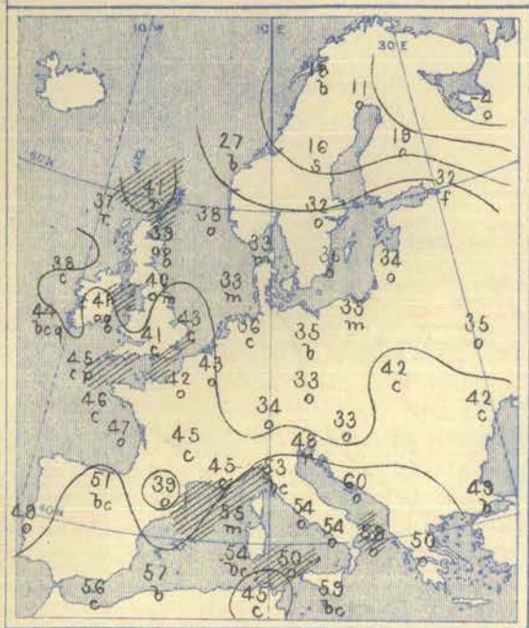
Thursday, 17th January.

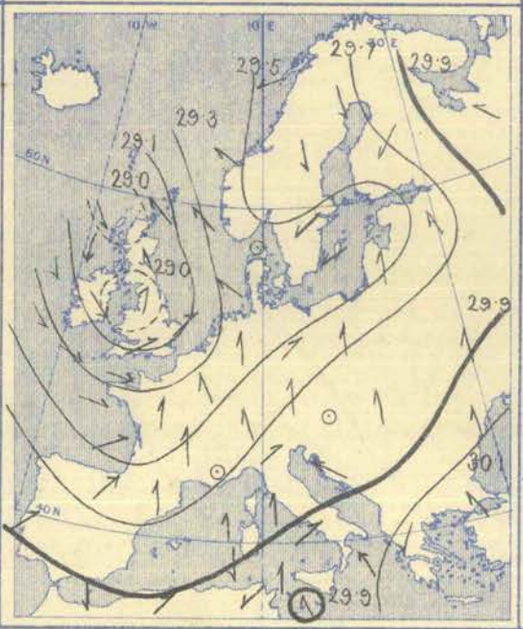
Temperature and Weather. 8 a.m.



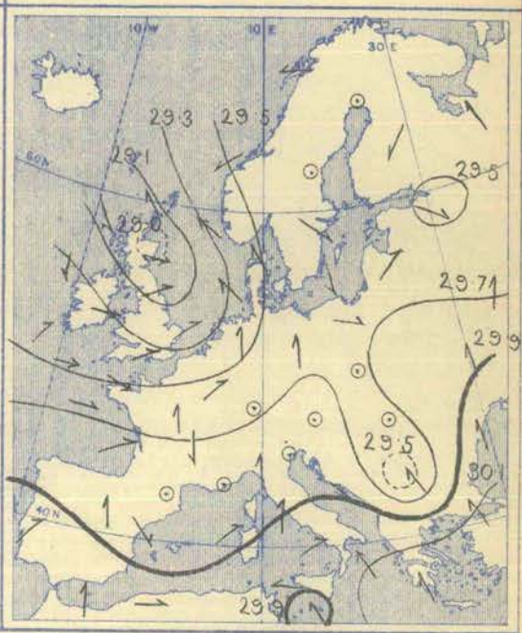
Weather in morning rainy at several stations in the northern parts of Great Britain, and showery on our west and south-west coasts. Fine in the west of Norway, as well as at some of the French and German stations; dull in most other parts of the the Continent, with snow at Hernösand and fog over the Gulf of Finland. Heavy rain falling later in the north of Scotland, and showers in nearly all other parts of western Europe. Thunderstorm occurring at Cape Ferret.

Temperature fallen a little in most parts of the United Kingdom, as well as in Scandinavia and Italy, risen in most other countries. Morning readings highest, 60° at Lésina, 59° at Malta, 58° at Brindisi and Algiers; above 50° at most of the Italian and Mediterranean stations. Lowest, – 4° Fahr. at Archangel, + 11° at Haparanda, 15° at Uleaborg, and 16° at Hernösand, below the freezing point in most parts of northern Europe, and very little above it in Scotland. Rising during day to 40° and upwards over the United Kingdom generally, and to 45° and upwards on our south and south-west coasts; exceeding 55° in many parts of southern Europe. Frost occurring over our Islands at night.

Barometer and Wind. 8 a.m.



6 p.m.

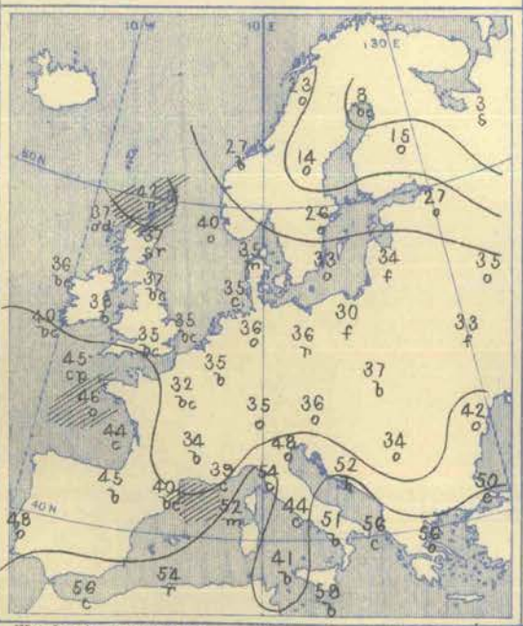


Wind strong from the Northward or North-Westward on our western coasts, moderate to fresh from the Westward or South-Westward over the Channel and Bay of Biscay and the Spanish Peninsula. Light from the Southward or South-Eastward in the eastern parts of the United Kingdom, as well as over Denmark, Germany, the Netherlands, the west of Norway, and the greater part of Russia; Northerly or North-Easterly in Sweden. Southerly or South-Westerly in Italy. Subsequently veering to the Westward on the east coasts of Great Britain, but backing to the South-Westward in the south of Ireland.

Barometer highest, 30·1 ins. and upwards over all but the western parts of Russia and also over Algeria. Lowest, 29·0 ins. and less in two depressions, one lying over the north of Scotland, and the other over the northern and central parts of England. Latter disturbance subsequently travelling slowly in a north-north-easterly direction, and becoming united with the system in the far north, barometer rising over the United Kingdom generally.

Friday, 18th January.

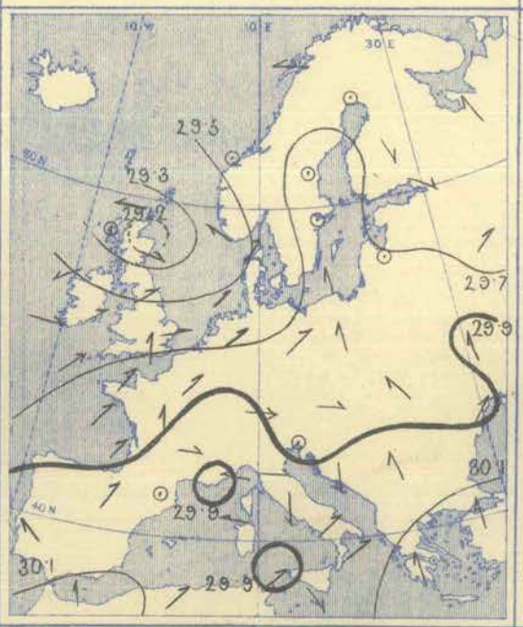
Temperature and Weather. 8 a.m.



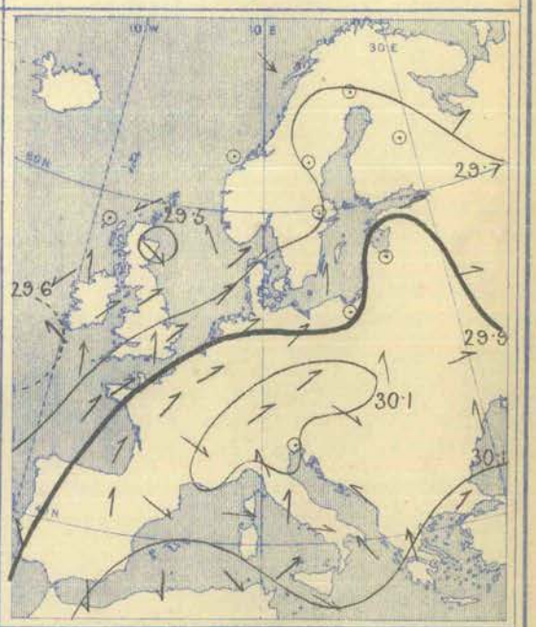
Weather in morning fine over the greater part of Ireland, England, and France, as well as in the southern parts of Italy. Cloudy or overcast in most other localities, with rain in the north and east of Scotland and also in some parts of north Germany, and with snow at Faerder, Carlstadt, and Archangel. Fog reported at several of the Danish and German stations. Rain falling later in many parts of our Islands, heavily in the south-west of England, where lightning was seen at night.

Temperature fallen in most places. Morning readings highest, 59° at Malta, 56° at Brindisi, Athens, and Oran, and 54° at Patras and Algiers; above 50° at several of the Mediterranean stations. Lowest, 3° at Archangel, 8° at Haparanda, 11° at Uleaborg, and 14° at Hernösand, below the freezing point in most parts of northern and eastern Europe, and very little above it in the inland parts of the United Kingdom. Rising during day to 45° and upwards over the central and southern parts of England, and reaching 53° at Scilly, exceeding 55° in the south of France.

Barometer and Wind. 8 a.m.



6 p.m.



Wind South-Westerly or Southerly over the greater part of England, France, Germany, Denmark, and the Netherlands; light or moderate in force generally, but strong at the mouth of the Channel, Westerly at most of the Irish and Scotch stations, but Easterly in the north of Scotland and also in the west of Norway. Calm in Sweden, light from the North-Westward over Finland, South-Westerly in the south of Russia, as well as at most of the Italian stations. Subsequently backing to the Southward or South-Eastward in the south-west of our Islands; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards over Algeria and also over Greece and Asia Minor. Lowest, 29·2 ins. and less in a small depression off the north-east of Scotland; 29·5 ins. and less in a large shallow area over the north of Russia. Scotch depression filling up slowly during day, but new disturbance beginning to approach our extreme south-west coasts

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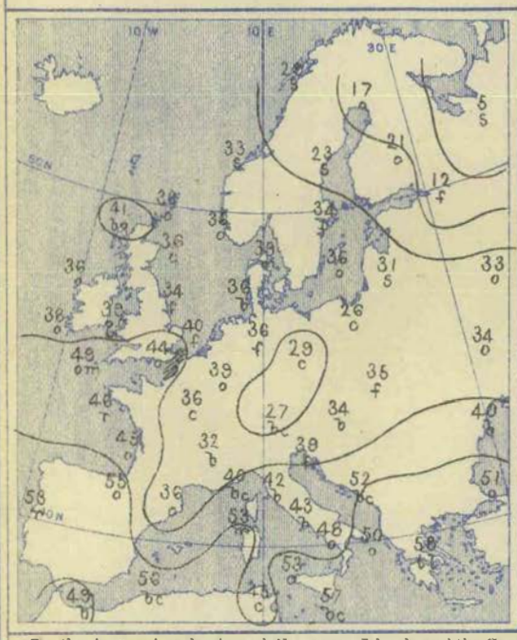
Saturday, 19th January.

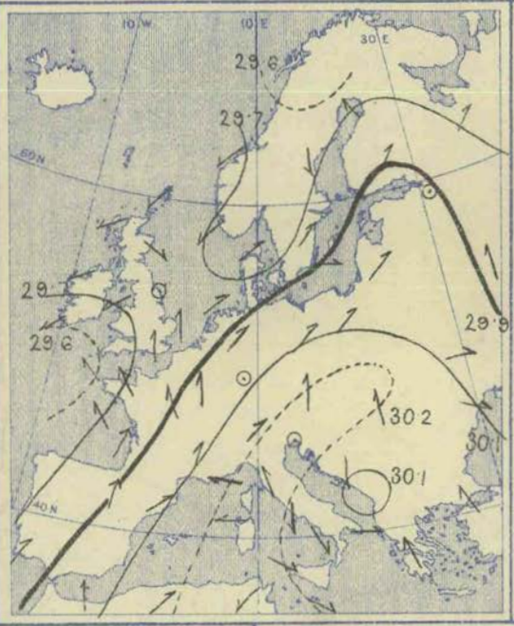
Temperature and Weather.

8 a.m.

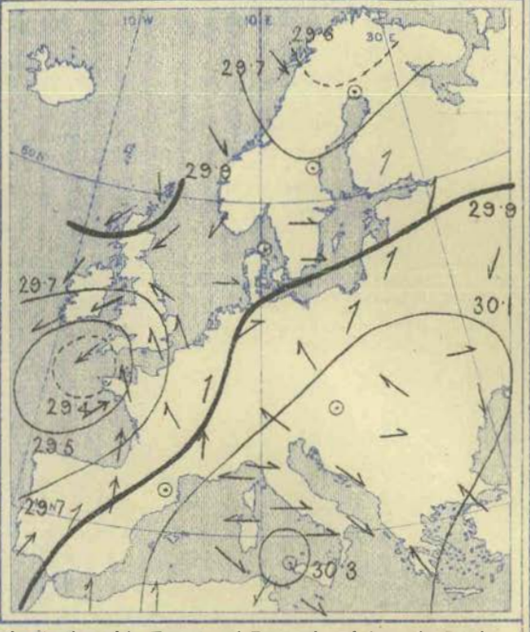


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over our Islands and the Continent generally, with rain and fog in many parts of England. Rain falling also at Brest and Lisbon; fog reported in several parts of northern Europe, snow at some of the Scandinavian and northern Russian stations and a thunderstorm at Athens. Fine over northern Italy and the east and south of France. Rain falling later in nearly all parts of western Europe, heavily over England and the north of France.

Temperature risen in England and Ireland, as well as in Scandinavia and the west and north of France, but fallen in most other localities. Morning readings highest, 58° at Athens, 57° at Malta, 56° at Algiers, and 55° at Biarritz and Patras; above 50° at several of the Mediterranean and Spanish coast stations. Lowest, 5° at Archangel, 12° at St. Petersburg, 17° at Hernösand, and 21° at Knopio; below the freezing point in most parts of northern and central Europe and also in the south of Scotland. Rising during day to 45° and upwards in the south of England, to 50° and upwards in France, and to 55° and upwards in many parts of southern Europe.

Wind moderate to fresh from the Southward in France and Portugal, and from the South-Eastward in the south of England. Easterly or North-Easterly in the west and north of our Islands generally, and also in the west of Norway, but variable in the east of Scotland. Light from the Southward in Germany; moderate from the South-Westward over Denmark and the Baltic; variable over Russia, Austria, and Italy. Subsequently freshening from the North-Eastward on many parts of our western coasts; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an area extending from Algeria across northern Italy to the western and northern parts of Austria. Lowest, 29·6 ins. and less in a depression lying off the south-west of our Islands and also in a shallow system over the north of Scandinavia. Former disturbance subsequently advancing eastwards, and barometer falling over the whole of Ireland, England, and France, briskly at the Channel stations.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Throughout nearly the whole of this period the weather over our Islands and a considerable portion of the Continent was influenced either by a well-marked depression, the centre of which travelled in a north-north-easterly direction across Great Britain, or by the secondary disturbances which appeared on its eastern and southern sides. At the commencement of the week, when the centre lay off the south-west of Ireland, the depression was of considerable depth, and gales from the South-Eastward were blowing in all the more northern and eastern parts of the United Kingdom, with heavy snowstorms in many places. During its progress across our Islands, however, the system gradually filled up, and the gales consequently subsided, the winds over Ireland, England, and France veering to South-West or West. The weather, however, remained very changeable, with frequent falls of snow or sleet over the northern parts of the United Kingdom and the Continent, and with rain in most of the southern districts. By the morning of the 19th the depression had almost disappeared, but a new disturbance had advanced to the south-west of our Islands. Later in the day the latter system spread eastwards, and occasioned heavy rains over England and the north of France, with a North-Easterly gale in the Irish Sea.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 14.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	4·5	?	9	?	EASTBOURNE	10·1	?	17	?
OSWALDKIRK (Yorkshire)	4·1	?	7	?	MANCHESTER (Oldham Road)	0·3*	?	0*	?
WORKSOP	3·6	- 4·6	6	- 8	TENBY		?		?
THURCASTON (Leicestershire)	5·5	- 1·5	10	- 3	NEWQUAY	18·5	?	31	?
MARGATE	9·4	?	16	?	TORQUAY	15·9*	?	27*	?
WESTBOURNE (Sussex)	10·7*	?	29*	?	ARLEY COTTAGE (County Cavan)	2·6	?	5	?
BRIGHTON	13·1	?	23	?	GUERNSEY	20·9*	?	35*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 4.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 26TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 20.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	18	37·5	28·1	33·0	6 below	0	− 7	63	+30	0	− 30	249	+118
	1. SCOTLAND, EAST	43	19	36·0	27·6	32·0	5 below	0	− 8	70	+31	0	− 31	308	+149
	2. ENGLAND, N.E.	43	21	37·5	29·7	33·8	5 below	0	− 8	57	+20	0	− 30	245	+ 97
	3. ENGLAND, EAST	50	10	39·1	29·7	34·6	4 below	0	− 8	52	+10	0	− 29	234	+ 62
	4. MIDLAND COUNTIES	51	15	39·0	29·5	34·4	4 below	0	− 9	53	+10	0	− 36	257	+ 84
	5. ENGLAND, SOUTH	53	23	42·0	31·7	37·0	3 below	0	−11	35	+ 3	8	− 34	195	+ 65
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	45	22	39·3	30·2	34·9	5 below	0	− 9	50	+21	0	− 39	232*	+114
	7. ENGLAND, N.W.	45	19	39·7	31·3	35·7	4 below	0	− 8	44	+14	0	− 33	203	+ 81
	8. ENGLAND, S.W.	56	8	42·9	33·2	38·2	3 below	3	−11	32	+10	13	− 46	166	+ 76
	9. IRELAND, NORTH	48	20	40·5	31·6	36·3	4 below	0	−14	40	+15	0	− 55	192	+ 89
	10. IRELAND, SOUTH	49	20	42·3	32·8	37·7	5 below	1	−19	33	+13	2	− 78	142	+ 62
	—CHANNEL ISLANDS	53	32	46·8	38·9	43·0	1 below	20	− 1	9	0	53	− 35	64	+ 26

Rainfall.

	DISTRICTS. (See p. 20.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	2 less	21	+ 1	3·7	− 1·7
	1. SCOTLAND EAST	5	4	2 less	17	+ 3	2·7	+ 0·1
	2. ENGLAND, N.E.	6	7	3 more	22	+ 9	3·9	+ 2·1
	3. ENGLAND, EAST	6	9	4 more	21	+ 7	3·2	+ 1·4
	4. MIDLAND COUNTIES	5	10	4 more	17	+ 3	3·1	+ 0·9
	5. ENGLAND, SOUTH	5	5	2 less	18	+ 4	2·7	+ 0·2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	4	9 less	18	0	1·7	− 3·7
	7. ENGLAND, N.W.	6	7	0 (average)	20	+ 5	2·7	− 0·2
	8. ENGLAND, S.W.	6	8	1 less	21	+ 4	4·2	+ 0·4
	9. IRELAND, NORTH	6	8	0 (average)	21	+ 3	2·8	− 0·4
	10. IRELAND, SOUTH	6	4	6 less	21	+ 4	4·3	+ 0·5
	—CHANNEL ISLANDS	7	8	1 more	25	+ 7	4·0	+ 0·8

Bright Sunshine.

	DISTRICTS. (See p. 20.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	10	+ 1	18	+ 2	26	− 5	10	− 3
	1. SCOTLAND EAST	11	− 1	20	− 2	32	− 11	18	− 5
	2. ENGLAND, N.E.	16	+ 5	28	+ 9	44	+ 7	19	+ 4
	3. ENGLAND, EAST	12	0	21	0	36	− 8	16	− 4
	4. MIDLAND COUNTIES	15	+ 5	26	+ 9	44	+ 9	20	+ 4
	5. ENGLAND, SOUTH	15	+ 4	25	+ 8	55	+ 13	23	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	26	+17	46	+31	60*	+ 30	28	+ 14
	7. ENGLAND, N.W.	16	+ 9	27	+16	37	+ 14	20	+ 6
	8. ENGLAND, S.W.	18	+ 7	30	+12	69	+ 26	29	+ 11
	9. IRELAND, NORTH	18	+ 5	31	+11	44	+ 2	19	0
	10. IRELAND, SOUTH	19	+ 6	33	+11	52	+ 4	24	+ 2
	—CHANNEL ISLANDS	19	+ 7	31	+11	65	+ 12	30	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather of a very unsettled type again prevailed over our Islands. Rain was very general at the commencement of the week, but occasional falls of snow, alternating with intervals of bright sunshine, were subsequently experienced. A short but sharp thunderstorm, accompanied by heavy hail, was experienced in London and some other parts of our south-eastern and eastern counties during the forenoon of Wednesday.

Temperature was below the mean, the deficit ranging from 1° in the Channel Islands and 3° in England S. and S.W., to 5° in some of our northern districts and in Ireland S., and to 6° in Scotland N. The highest of the maxima, which were recorded on the 20th in England and during the middle part of the period in Ireland and Scotland, ranged from 56° in England S.W. and 53° in England S. and the Channel Islands, to 43° in Scotland E. and England N.E. The lowest of the minima occurred on the 26th, when the thermometer fell to 8° in England S.W. (at Llandovery) to 10° in England E., 15° in the Midland Counties, and to between 18° and 23° in most other districts. In the Channel Islands the lowest reading was 32°.

Rainfall exceeded the mean in the Midland Counties and in England N.E. and E. as well as in the Channel Islands; elsewhere the fall was either just equal to or less than the normal.

Bright Sunshine was in excess of the mean in all districts except Scotland E. and England E. The percentage of the possible duration ranged from 46 in Scotland W. and 33 in Ireland S. to 18 in Scotland N.

Barometer and Wind.—At the commencement of the period a complex depression which had appeared in the south-west moved south-eastwards over the Channel and France. The barometer rose decidedly in its rear and became highest off our south-western and western coasts. During the remainder of the week depressions moved south-eastwards over our northern and eastern coasts and the North Sea, and the wind, which was at first fresh or strong from the Eastward and North-Eastward, shifted to the Northward and North-Westward very generally, and for some time blew strongly or with the force of a gale on nearly all our coasts. At the end of the period the gradients had become less steep and the winds had moderated.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 19 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ⚓	39	28	35·9	29·7	32·9	− 6·5	0	64	7	0·88	+0·04	*	*	*	*
	Stornoway	43	23	37·9	29·0	33·6	− 5·5	0	59	7	1·18	0·00	8·7	+ 1·1	17	+ 2
	Wick	39	23	36·3	27·9	32·3	− 5·9	0	68	7	1·38	+0·02	*	*	*	*
	Glencarron ⚓	42	19	36·3	25·5	31·2	− 6·4	0	76	5	1·95	−0·26	*	*	*	*
	Fort Augustus ⚓	43	18	38·5	26·6	32·8	− 6·2	0	64	6	0·57	−0·47	5·5	?	10	?
	Fort William ⚓	45	24	40·2	29·6	35·1	− 4·5	0	48	5	1·05	−1·19	14·2	?	27	?
1. SCOTLAND, E.	Nairn	42	20	36·9	27·9	32·6	− 5·3	0	66	7	0·40	−0·02	*	*	*	*
	Aberdeen	40	27	35·3	30·6	33·0	− 5·1	0	63	7	0·57	+0·05	12·3	− 0·7	23	− 2
	Braemar ⚓	38	19	33·3	?24·0	?28·8	?− 6·2	0	?92	6	0·63	−0·09	4·7†	?†	9†	?†
	Ochtertyre ⚓	43	21	36·9	26·7	32·0	− 4·9	0	70	4	0·30	−0·87	*	*	*	*
	Leith	42	27	38·1	30·3	34·4	− 4·9	0	53	6	0·30	−0·13	*	*	*	*
	Marchmont ⚓	38	22	35·4	26·1	30·9	− 6·0	0	78	2	0·35	−0·25	11·8	?	21	?
2. ENGLAND, N.E.	Alnwick Castle	40	28	36·3	30·7	33·6	− 4·4	0	59	6	0·69	+0·21	*	*	*	*
	Durham	40	21	37·3	27·3	32·5	− 4·8	0	67	7	0·77	+0·32	14·2	+ 3·2	25	+ 6
	Shields	40	26	37·4	29·7	33·7	− 5·3	0	58	4	0·38	−0·02	*	*	*	*
	Scarborough Ⓜ	43	21	38·0	27·4	32·9	− 6·0	0	64	7	0·86	+0·41	*	*	*	*
	York	41	26	38·7	30·9	35·0	− 3·1	0	49	5	0·53	+0·10				
	Spurn Head	40	27	37·3	32·1	34·8	− 3·5	0	50	4	1·06	+0·76	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	43	10	37·9	28·0	33·2	− 4·4	0	62	7	1·61	+1·19	12·8	+ 1·8	22	+ 4
	Yarmouth	43	26	37·6	31·1	34·5	− 3·6	0	53	6	1·01	+0·56	*	*	*	*
	Geldeston	47	17	40·5	28·9	34·9	− 3·8	0	50	7	0·70	+0·3[illegible]	7·6	− 5·4	13	− 9
	Cambridge	49	25	39·9	30·6	35·4	− 2·7	0	46	5	0·61	+0·23	14·3	+ 2·3	24	+ 4
	Rothamsted	50	24	39·5	29·8	34·8	− 2·9	0	50	5	0·37	−0·22	13·6	?	23	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	42	20	38·4	28·7	33·7	− 4·5	0	58	5	0·88	+0·46	*	*	*	*
	Loughborough	42	22	39·9	30·6	35·4	− 2·8	0	46	5	1·42	+0·96	*	*	*	*
	Stamford (Ketton Hall)	41	25	38·6	30·3	34·6	− 3·6	0	52	6	1·10	+0·70	*	*	*	*
	Cheadle Ⓜ	41	21	37·4	26·7	32·3	− 4·7	0	68	6	0·92	+0·34	*	*	*	*
	Solihull	44	23	38·9	31·7	35·4	− 3·5	0	46	4	1·34	?	*	*	*	*
	Churchstoke Ⓜ	41	15	38·1	24·3	31·5	− 6·8	0	74	4	1·19	+0·53	7·3	− 3·7	13	− 6
	Hereford Ⓜ	44	23	39·4	30·6	35·2	− 3·9	0	48	4	0·93	+0·36	*	*	*	*
	Cirencester	50	20	39·6	30·0	35·0	− 3·1	0	49	5	0·46	−0·24	16·1	+ 4·5	27	+ 7
	Oxford	51	25	41·1	32·3	36·9	− 2·2	0	36	6	0·39	−0·13	15·1	+ 5·0	26	+ 9
5. ENGLAND, S.	London	52	25	40·7	31·7	36·4	− 3·0	0	39	5	0·49	+0·01	9·4†	+ 2·5†	16†	+ 6†
	North Foreland	52	27	40·7	32·7	36·9	− 2·6	0	36	4	0·43	?	*	*	*	*
	Strathfield Turgiss Ⓜ	52	24	41·4	31·5	36·7	− 1·7	0	37	4	0·28	−0·27	*	*	*	*
	Dungeness	49	23	41·3	31·4	36·6	− 3·4	0	38	7	0·72	+0·14	*	*	*	*
	Hastings (St. Leonards)	49	24	42·4	30·3	36·6	− 3·6	1	43	7	0·24	+0·32	16·2	+ 2·2	27	+ 4
	Southampton	53	26	44·5	31·4	38·2	− 1·9	7	41	4	0·15	−0·57	18·9	+ 7·4	32	+13
	Hurst Castle	50	26	42·6	33·7	38·3	− 2·6	2	31	2	0·22	−0·46	*	*	*	*
	Stowell Ⓜ	51	23	42·0	30·8	36·6	− 2·2	0	38	7	0·37	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	45	22	40·5	29·1	35·0	− 5·2	0	49	5	0·48	−1·51	*	*	*	*
	Glasgow	42	27	38·1	30·2	34·3	− 4·4	0	54	4	0·23	−0·71	22·9	+16·5	42	+31
	Ardrossan	43	28	38·1	31·0	34·7	− 5·8	0	51	3	0·15	−0·81	*	*	*	*
	Glenlee ⚓	42	25	38·7	28·6	33·9	− 3·6	0	57	5	0·61	−1·13	*	*	*	*
	Douglas (Isle of Man)	44	27	40·9	32·0	36·6	− 3·9	0	38	6	0·61	−0·43	28·3	+17·8	50	+32
7. ENGLAND, N.W.	Stonyhurst	40	22	37·6	28·0	33·0	− 5·3	0	63	7	0·86	−0·04	23·9	+14·9	42	+27
	Blackpool Ⓜ	43	25	40·6	31·6	36·3	− 2·1	0	40	6	0·35	−0·33	20·7	+12·1	36	+21
	Manchester (Prestwich)	41	19	38·7	26·9	33·0	− 5·2	0	63	6	0·70	+0·02	15·6	?	27	?
	Liverpool Obsy. (Bidston)	42	27	39·1	33·0	36·2	− 3·7	0	41	7	0·68	+0·21	*	*	*	*
	Llandudno Ⓜ	44	28	41·0	33·5	37·4	− 4·2	0	32	6	0·83	+0·21	10·1	+ 0·1	17	0
	Holyhead	45	28	41·1	35·0	38·2	− 4·0	0	27	6	0·49	−0·23	*	*	*	*
8. ENGLAND, S.W.	Llandovery	44	8	39·4	27·7	33·8	− 7·1	0	57	7	1·90	+0·72	*	*	*	*
	Pembroke	45	30	41·6	36·0	38·9	− 3·7	0	22	4	0·45	−0·57	18·3	+ 5·9	31	+10
	Bristol (Montpelier)	50	24	42·1	32·7	37·6	− 2·0	0	34	5	0·78	+0·03	*	*	*	*
	Arlington (N. Devon)	49	25	40·6	31·6	36·3	− 3·4	0	40	6	0·89	−0·09	*	*	*	*
	Cullompton Ⓜ	51	26	43·0	33·1	38·3	− 1·9	3	34	6	0·58	−0·17	17·9	+ 7·9	30	+15
	Falmouth	51	30	45·8	35·8	41·0	− 2·9	11	26	7	1·05	−0·16	17·2	+ 5·2	28	+ 9
	Plymouth	50	27	46·0	35·0	40·7	− 1·4	11	29	6	0·73	−0·16	18·1	+ 6·9	30	+12
	Prawle Poin	56	25	44·7	33·3	39·2	− 2·8	8	34	6	0·25	−0·45	*	*	*	*
9. IRELAND, N.	Malin Head	45	28	41·3	35·0	38·3	− 2·6	0	26	5	0·18	?	*	*	*	*
	Londonderry	46	27	41·0	31·2	36·3	− 4·0	0	40	6	1·08	+0·18	*	*	*	*
	Edenfel (Omagh)	44	24	38·7	31·9	35·4	− 3·8	0	46	5	0·86	+0·09	*	*	*	*
	Belmullet	48	32	43·7	35·6	39·8	− 3·1	5	25	7	0·94	?	*	*	*	*
	Markree Castle	47	26	41·0	30·1	35·8	− 4·3	0	43	6	1·25	+0·48	?15·2	? + 4·2	?27	? + 9
	Brookeborough	44	20	39·9	28·7	34·5	− 4·4	0	53	6	1·11	+0·13	*	*	*	*
	Armagh	45	22	39·3	29·3	34·5	− 4·7	0	53	6	0·49	−0·15	17·2	+ 6·2	30	+12
	Donaghadee	45	28	41·0	34·1	37·7	− 2·7	0	30	7	0·59	−0·06	*	*	*	*
	Edgeworthstown	43	23	39·0	28·9	34·1	− 5·3	0	55	4	0·38	−0·30	*	*	*	*
10. IRELAND, S.	Dublin	45	26	41·4	32·3	37·0	− 5·1	0	35	6	0·29	−0·21	18·2	+ 5·2	31	+ 8
	Parsonstown	45	20	39·1	30·0	34·7	− 5·7	0	51	5	0·26	−0·42	23·3	+11·1	40	+19
	Kilkenny	45	21	40·4	31·1	35·9	− 5·5	0	43	5	0·24	−0·54	*	*	*	*
	Roche's Point	48	30	44·1	34·0	39·3	− 4·5	6	31	2	0·11	−1·12	*	*	*	*
	Valencia	49	31	44·6	35·9	40·4	− 4·7	7	24	5	0·53	−0·95	16·3	+ 2·0	28	+ 5
	Killarney	48	23	44·2	33·4	39·0	− 4·9	6	33	5	0·75	?	*	*	*	*
	Foynes															
CHANNEL ISLANDS	Scilly (St. Mary's)	53	34	46·7	40·6	43·8	− 2·2	18	4	7	0·91	+0·08	13·6	?	22	?
	Jersey	53	32	46·9	37·1	42·2	− 0·1	22	14	7	0·77	+0·07	22·7	+ 6·5	37	+11

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

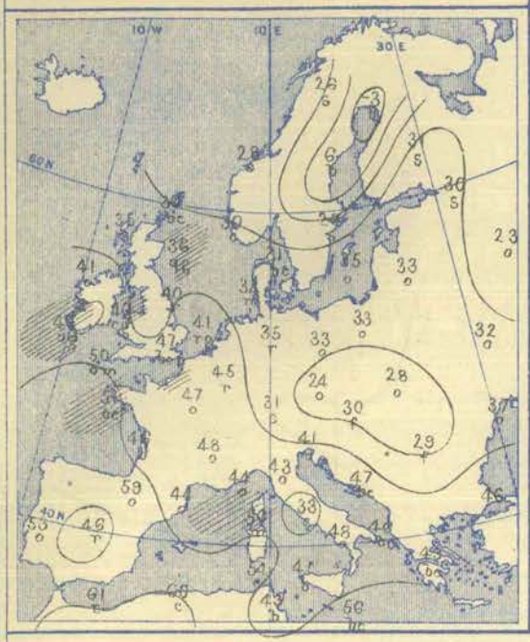
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 20th January.

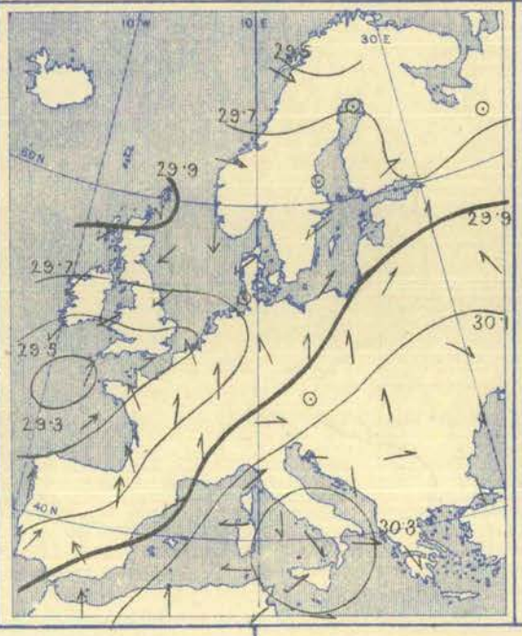
Temperature and Weather.

8 a.m.

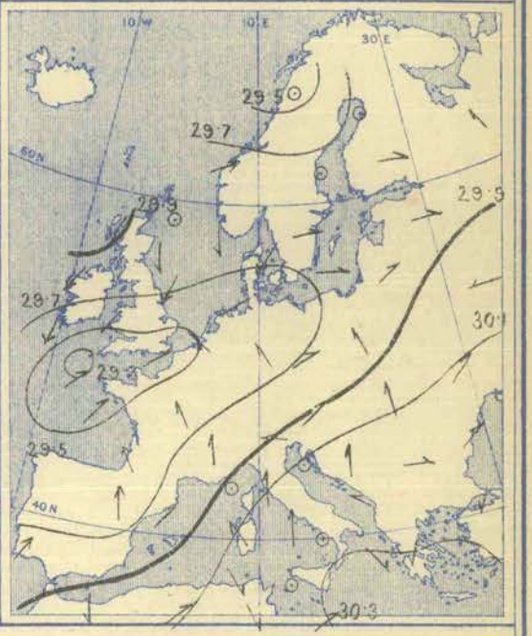


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair, but not bright, over the Mediterranean, south-eastern Europe, and Russia, very changeable over the north-western and northern countries, with rain or snow at many stations. Rain or snow falling later in almost all parts of the British Islands, and western Europe, as well as over north Germany, the falls being heavy at Loughborough and Scilly, and considerable at Brussels and Gap.

Temperature risen considerably over France, Germany, and Finland, less quickly over the British Islands, fallen fast over Scandinavia. Morning readings highest, 61° to 60° on the Algerian coast, 59° at Biarritz, and 51° to 48° at stations about the mouth of the English Channel. Lowest, – 3° Fahr. at Haparanda, + 6° at Hernösand, 23° at Moscow, 29° at Hermanstadt, 30° at Skudesnaes, 33° at Berlin, and the Helder. Rising to between 50° and 56° over the south of our Islands during the day, but falling again decidedly as night came on.

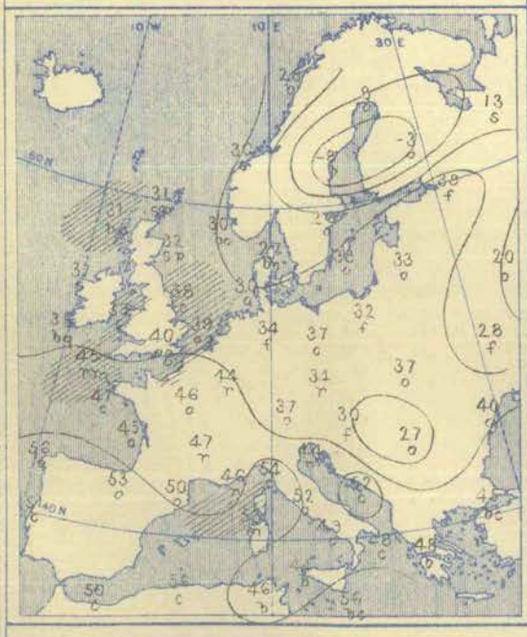
Wind (1) fresh, Westerly, over the northern parts of Norway, South-Westerly to Southerly over Finland, and of little strength; (2) Southerly, light to moderate, over France and the English Channel, South-Easterly at Yarmouth and the Helder, but North-Easterly over Scotland and Ireland, and blowing very freshly, a gale at Donaghadee; (3) strong, South-Easterly, over the Spanish Peninsula. North-Easterly gale becoming general in the north-west later, but wind moderating over the Peninsula.

Barometer highest, (1) 30·3 ins. and more to 30·0 ins. over the Mediterranean and south-eastern Europe, and (2) exceeding 29·9 ins. over the Shetland Islands and neighbouring parts of the Atlantic. Lowest, (1) about 29·5 ins. over Lapland, and (2) below 29·3 ins. in a depression approaching the south and south-west of England from the Atlantic. Latter disturbance reaching the mouth of the Bristol Channel later, but then undergoing great modifications and moving south-eastwards or southwards. Barometer rising decidedly over our Islands.

Monday, 21st January.

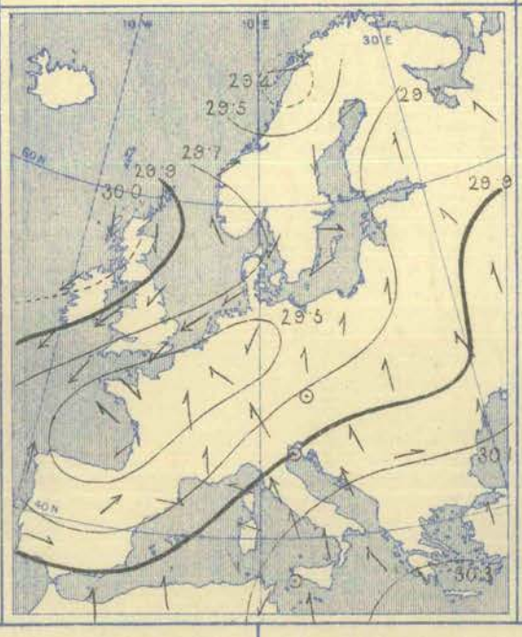
Temperature and Weather.

8 a.m.

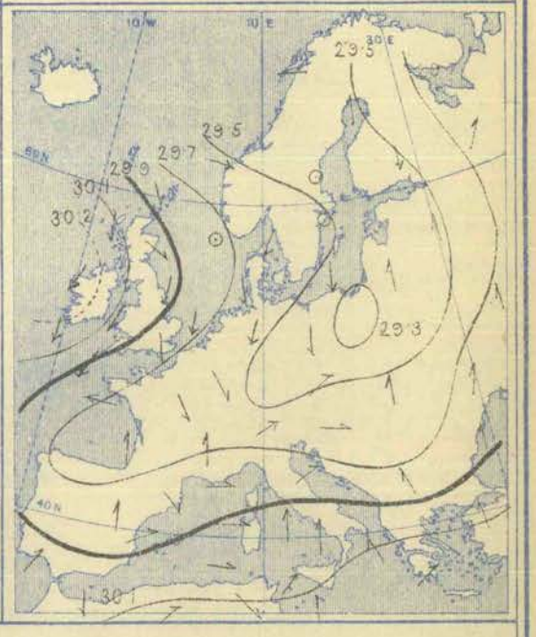


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright on the southern and western shores of the Mediterranean only; very changeable over Europe and the British Islands generally, but temporarily clear at many of our western and north-western stations and in the south of Norway, snow reported over northern Europe, sleet and soft hail in the north and north-west of our Islands. Snow and hail showers reported later over the northern half of the United Kingdom, rain in the south and east, as well as over the Netherlands, France, and north Germany.

Temperature falling in the north-west and in Sweden and Finland. Morning readings highest, 56° to 46° at the Mediterranean stations, and 56° to 50° on the Atlantic coasts of the Peninsula; 47° at Brest and above 40° on the shores of the English Channel. Lowest, (1) – 8° at Hernösand, – 3° at Kuopio, + 5° at Ulcaborg, 20° at Moscow, 26° at Kharkov; (2) 30° to 32° on the north and east coasts of Scotland, 34° at Loughborough; (3) 30° at Parsonstown. Falling decidedly over England later, but inclined to rise in Scotland.

Wind light and chiefly Southerly (South-West to South-East) over the Continent, but Northerly to North-Easterly over the British Islands, and blowing strongly in many places. Fresh South-Easterly breezes reported at the Italian stations; falling light over Scotland later and backing, but blowing strongly from North-East and North in the south and east of England all day.

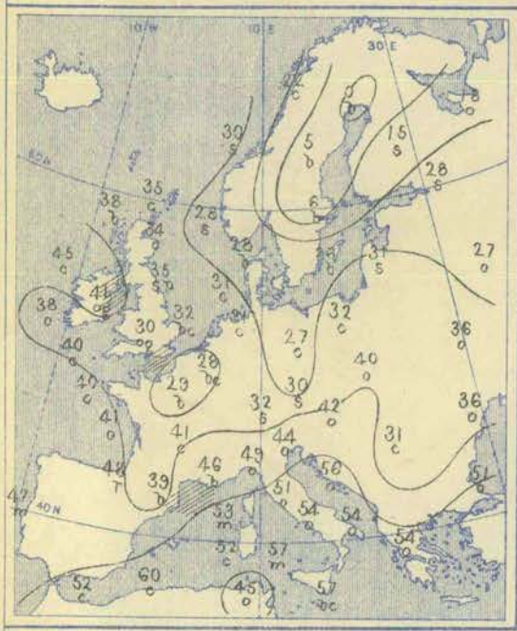
Barometer highest, (1) 30·3 ins. to 30·0 ins. over south-eastern Europe, Italy, and the north of Africa, (2) 30·0 ins. and more to 29·8 ins. over the west and north of our Islands. Lowest, (1) below 29·4 ins. in a small depression over the north-west of Norway; (2) below 29·5 ins. in a very complex system stretching from the Bay of Biscay across the north of France to the Netherlands and north Germany. Further disturbances approaching the North Sea later from the north-westward.

Wyman & Sons, Lt., Lith.

Tuesday, 22nd January.

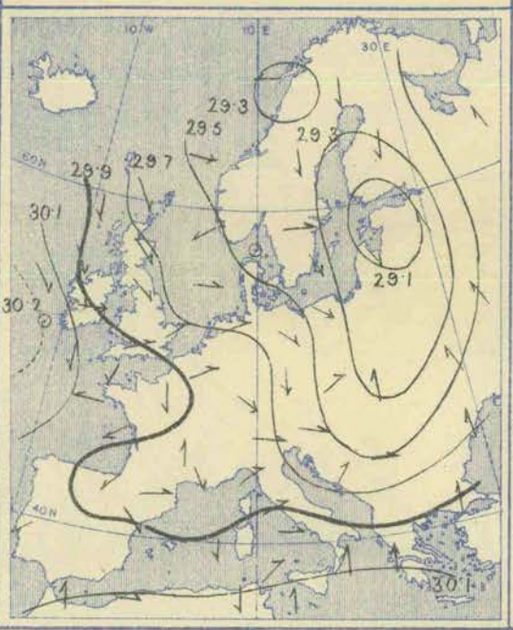
Temperature and Weather.

8 a.m.

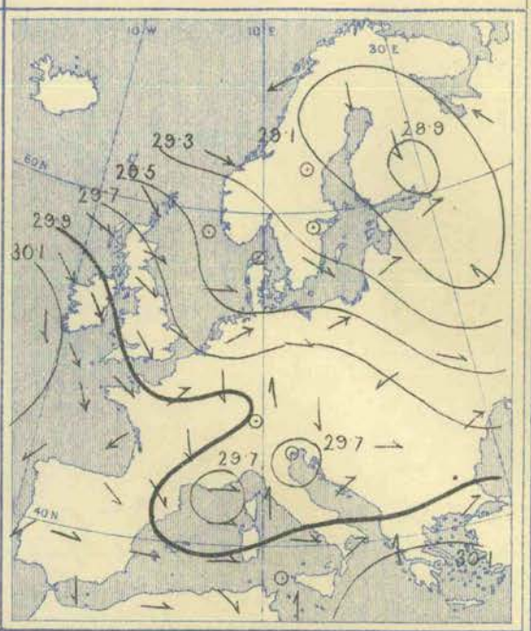


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine at several of the Scotch stations, as well as in several parts of France, but very changeable and unsettled as a whole, with snow over northern and central Europe, rain, hail, and sleet showers over the United Kingdom. Cold showers continuing at intervals over the British Islands and their neighbourhood, and weather becoming exceedingly unsettled in the north of Scotland towards night.

Temperature in morning highest, 60° at Algiers, and exceeding 50° at many stations on the shores of the Mediterranean and Adriatic; 45° to 40° on our own north-west coasts. Lowest, (1) 1° Fahr. at Karlstad, and 3° to 6° on the Swedish coasts generally; 15° at Kuopio, 27° at Moscow; (2) 30° to 33° over the greater part of England, 29° at Paris and Wiesbaden, 28° at Brussels. Changing very fitfully over our Islands later, frost and thaw alternating at very brief intervals.

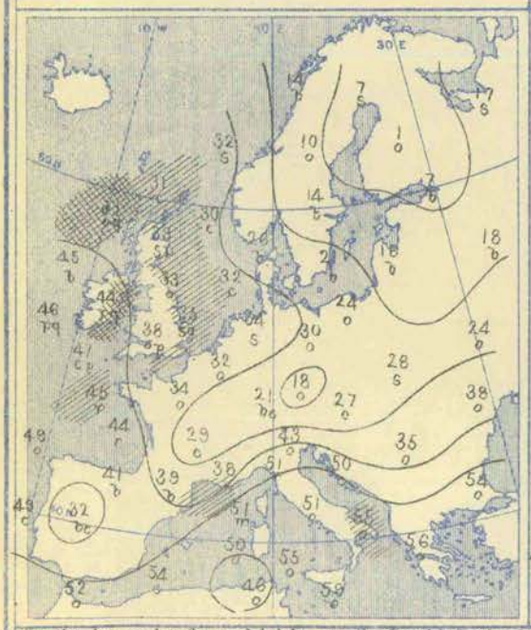
Wind (1) strong to moderate from the Northward over the Baltic, North-Westerly to Westerly over Germany, Southerly over Russia; (2) Northerly and North-Westerly over the United Kingdom, and blowing hard over the Irish Sea; (3) North-Easterly, light, over France and Spain, South-Westerly, moderate, over Italy and the Adriatic; Southerly over Greece. Backing Westward in Scotland later, but continuing North-Westerly over England and Ireland.

Barometer highest, 30·2 ins. and more to 30·0 ins. over the greater part of Ireland and the south-west of England; exceeding 30·1 ins. over Algeria and Greece. Lowest, below 29·1 ins. in a depression over western Russia; below 29·3 ins. in another over the north of Norway; several shallow secondary disturbances found over the North Sea and Great Britain. Rapid fall setting in over Scotland later and spreading south-eastwards.

Wednesday, 23rd January.

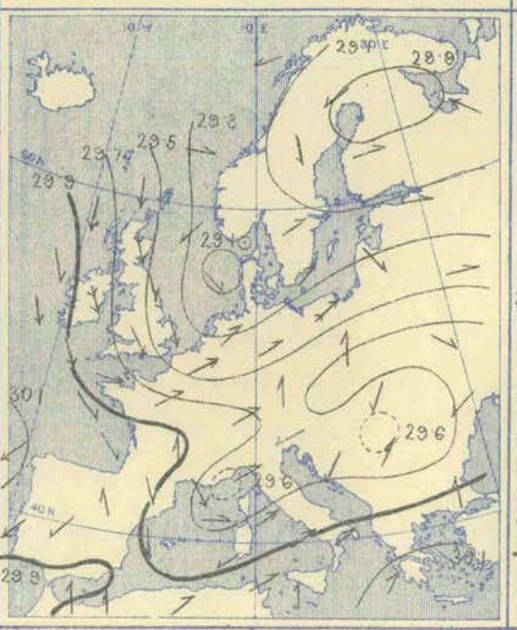
Temperature and Weather.

8 a.m.

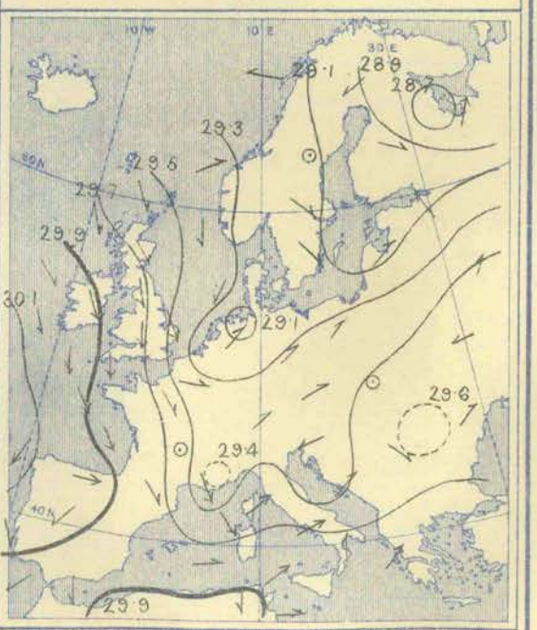


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Spanish Peninsula and some parts of southern Europe, but very changeable and unsettled elsewhere, with snow, sleet, or hail showers in most places. These falls continuing during the succeeding 24 hours at intervals in all our own and neighbouring districts, as well as over western and northern Europe. Sharp but small thunderstorm passing southwards over our eastern-midland counties in morning, and a thunderstorm occurring at Clermont (south of France) later.

Temperature low generally, changing fitfully, but, on the whole, tending to become still lower. Morning readings now exceeding 50° on the southern sides of the Mediterranean and at Constantinople only; 49° on the Portuguese coast, 47° at Scilly, 46° at Valencia (Ireland), 41° at Malin Head and Hurst Castle. Lowest, (1) 1° Fahr. at Kuopio, 3° at Karlstad, 7° at Haparanda and St. Petersburg, and below 20° over all the northern half of Russia and Scandinavia; (2) 12° at Cracow, 18° at Munich; (3) 31° at Sumburgh Head, 32° at Wick, 34° at Leith and Paris. Changing very fitfully over our Islands later, and freezing hard for a time over the eastern parts of England at night.

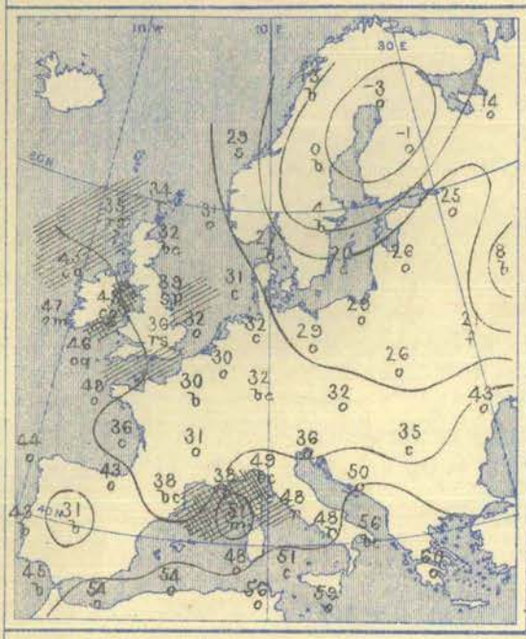
Wind North-Westerly and Northerly, a strong gale to a strong breeze, over the British Islands more Westerly and of less strength over the north-western half of France; South-Westerly to Southerly and moderate over Germany, very variable over northern Europe. A small and separate circulation noticed over the north-eastern part of the Mediterranean. The gale subsiding in Scotland and Ireland later, but blowing hard over the east of England.

Barometer highest, 30·15 ins. at Corunna and exceeding 29·9 ins. over the western half of Ireland, the Bay of Biscay, the west of France, and northern half of Spain; exceeding 29·9 ins. over the extreme south-east of Europe also. Lowest, 28·9 ins. and less in a depression over the north of Finland, and below 29·2 ins. in another which had advanced to the west coast of Denmark from the north-westward in the night. Latter system moving to southward later, but new one beginning to approach the north of Scotland towards night.

NYMAN & SONS, LTD. LITH.

Thursday, 24th January.

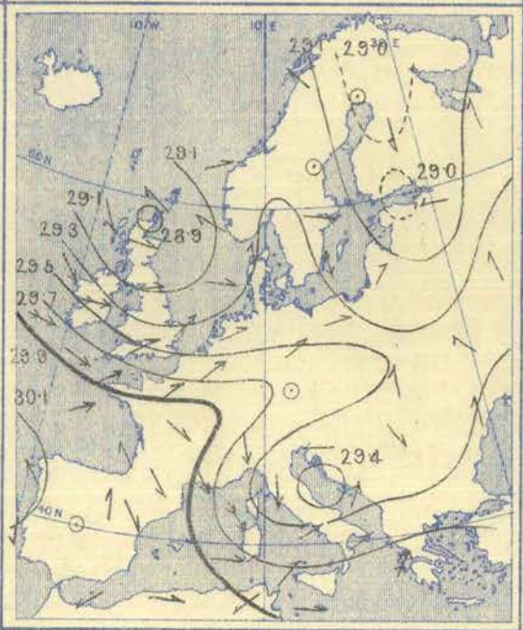
Temperature and Weather. 8 a.m.

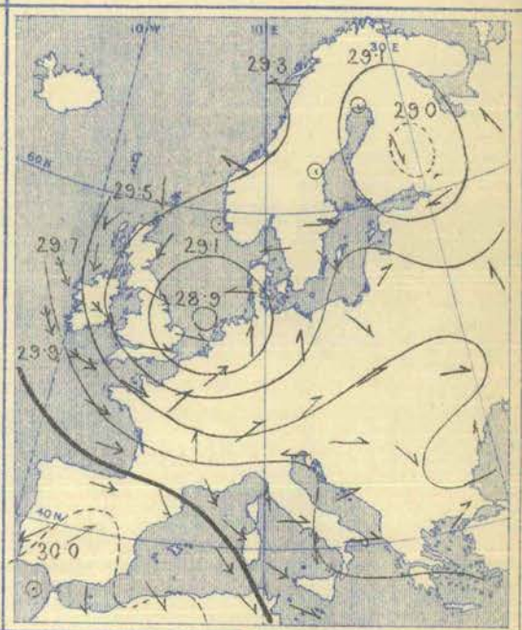


Weather in morning still in a very unsettled condition over Europe generally, but temporarily clear in a few localities, overcast in the remainder, with showers of snow, sleet, or cold rain at many of our own and the Continental stations. Very rough and unsettled over Italy also. Rain, hail, and sleet showers continuing prevalent over our Islands and northern Europe during the day, and a good deal of snow in the south of France.

Temperature changing frequently and irregularly. Morning readings highest, 60° at Patras, 59° at Malta, 56° at Tunis, 54° at Algiers; 47° at Valencia (Ireland), 46° at Scilly and Jersey. Lowest, – 3° at Uleaborg, 0° zero at Haparanda and Hernösand, + 1° at Karlstad, 8° at Moscow, 21° at Kiev, and rather below the freezing point over central Europe generally; 32° at Aberdeen and Yarmouth, 36° at Oxford and in London. Continuing to change very irregularly over our Islands later, and falling decidedly in Scotland at night.

Barometer and Wind. 8 a.m. and 6 p.m.



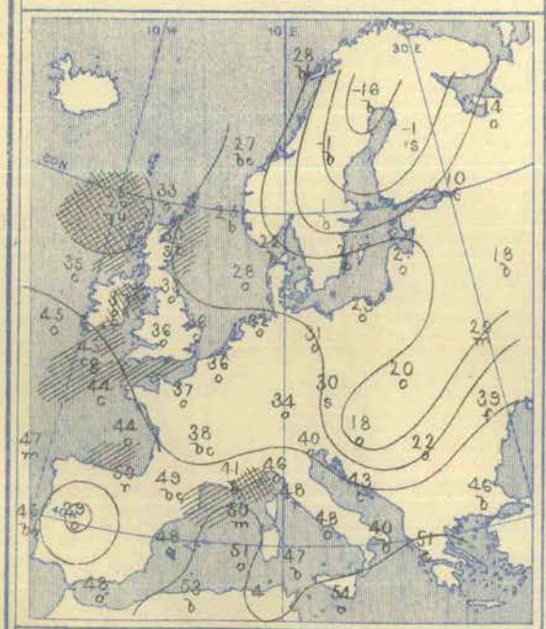


Wind (1) very light and variable over Russia and the north of Scandinavia; (2) North-Westerly, fresh to a gale, over the Baltic; (3) North-Westerly and Westerly, strong to a gale in the west and south of the British Islands, but South-Westerly over the eastern half of England, and South-Easterly at Skudesnaes; (4) strong to a gale from North and North-West over the eastern half of the Mediterranean, and South-Westerly over the Adriatic and Greece. Blowing a gale on our western and south-western coasts all day, and occasionally in the east and north also, as well as on the north coast of France.

Barometer highest, 30·1 ins. and more to 29·9 ins. over the Iberian Peninsula, the greater part of France and Algeria; exceeding 29·5 ins. over the southern parts of Russia. Lowest, 28·9 ins. and less in depressions over Finland and the north-east of Scotland. Gradients steep over Ireland and England and over the south-east of France. Scotch depression moving south-eastwards later, and barometer rising decidedly over the United Kingdom.

Friday, 25th January.

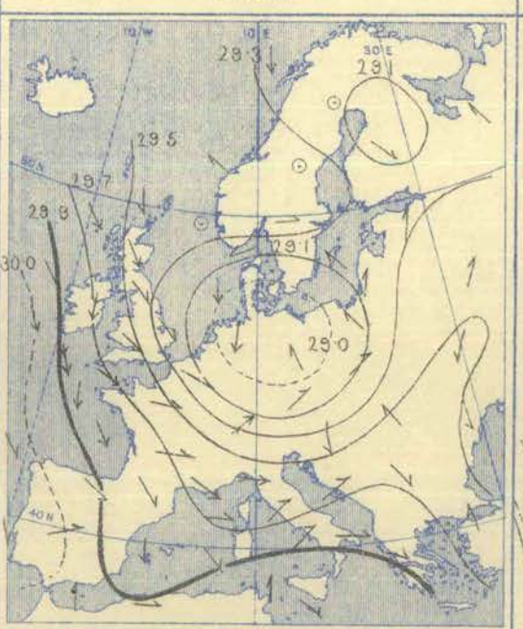
Temperature and Weather. 8 a.m.

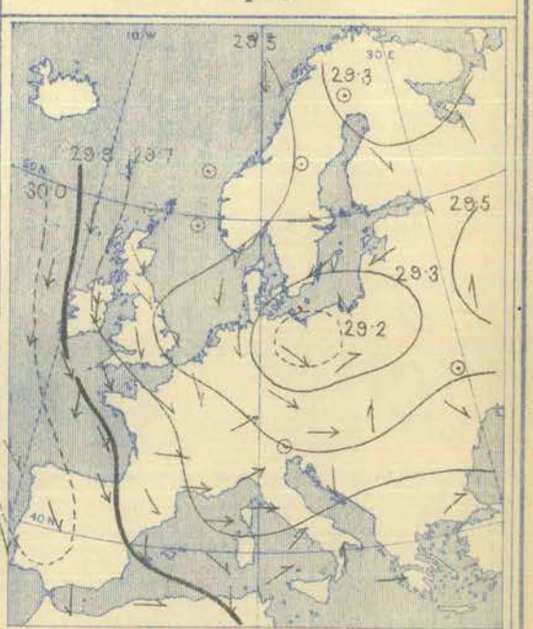


Weather in morning still unsettled over the greater part of Europe, with showers of snow, hail, or cold rain in many places, clear and bright over central Russia, Greece, Sicily, and Algeria. Showers of snow, sleet, or soft hail continuing at intervals over the greater part of our Islands and central Europe during day, especially on our own north and east coasts; a large fall at Brussels; heavy rain at Bilbao.

Temperature fallen over our Islands, risen over the Mediterranean and central Europe. Morning readings highest, 50° and more on the southern side of the Mediterranean, and exceeding 40° on the Atlantic coasts of Spain, France, and the extreme south-west of our Islands. Lowest, – 19° Fahr. at Uleaborg, – 4° at Helsingfors, 0° at Karlstad, 18° at Moscow and Vienna, 20° at Kiev; (2) 27° at Nairn, 32° at Parsonstown, 33° at York. Falling again over our Islands and western Europe generally at night, and hard frost becoming general.

Barometer and Wind. 8 a.m. and 6 p.m.





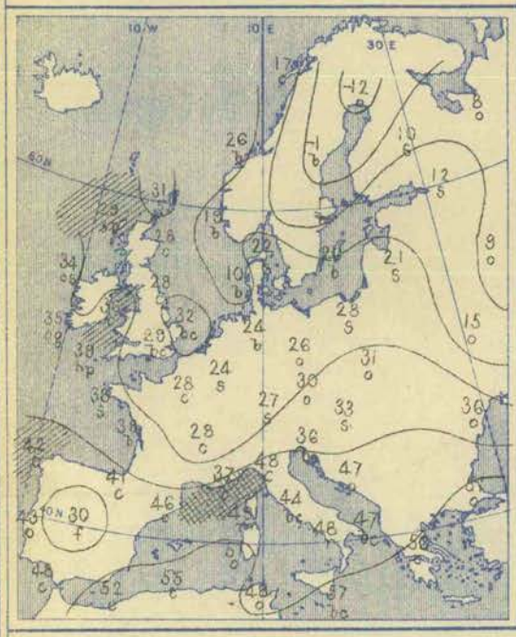
Wind (1) very light and variable over Scandinavia and the north of Russia; (2) North-Westerly moderate, to a gale over the British Islands and English Channel, Northerly over Holstein, South-Westerly over central Germany, Southerly to South-Easterly over the Baltic Provinces, Easterly at Wisby; (3) Westerly in the south of France and in Greece, South-Westerly over Italy and the Adriatic, and varying in force from a moderate breeze to a gale. Moderating slowly on most of the coasts of the British Islands later, but blowing hard in north-west all day.

Barometer highest, 30·0 ins. and more over Algeria, Spain, and off the extreme west of Ireland. Lowest, 29·1 ins. and less in a depression over Finland, in another over north Germany, and below 29·4 ins. in a third over the south of Russia. German depression moving south-eastwards later, and barometer rising decidedly over northern Europe, the North Sea, and the British Isles. The depresion over Germany growing shallower.

W. & A. K. Johnston & Sons, Ltd., Edinburgh.

Saturday, 26th January.

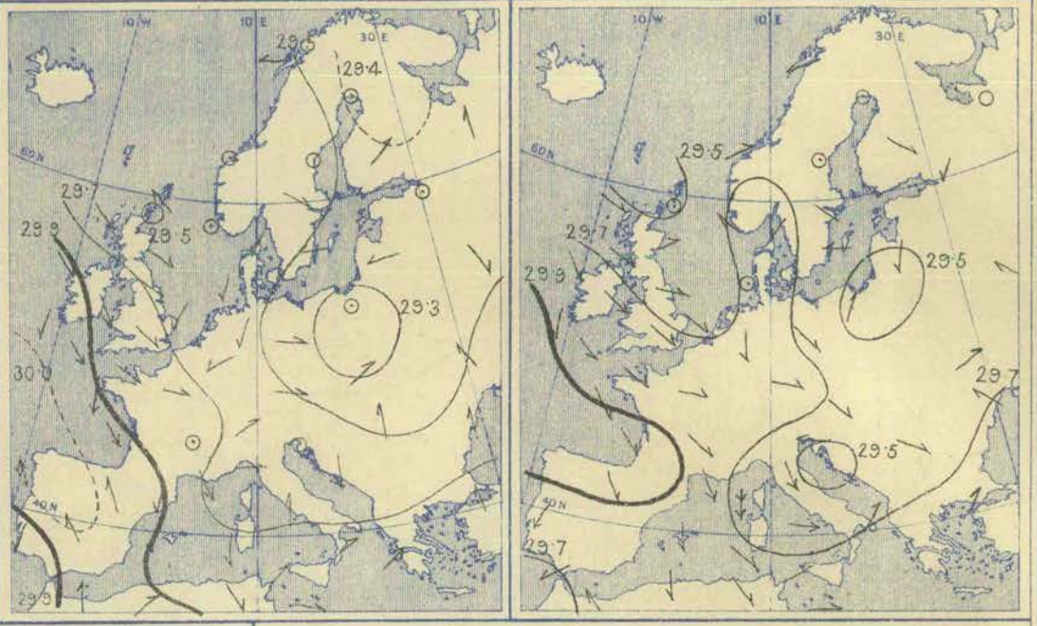
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over the major part of Great Britain, the North Sea, and Scandinavia, cloudy, more or less, in all other districts, with snow showers in many places, and rain at some of the Mediterranean stations. Snow falling later in many parts of our Islands, France, and Germany, but weather, as a whole, continuing fair over England.

Temperature falling decidedly over our Islands and western Europe. Morning readings exceeding 50° on the southern side of the Mediterranean only, slightly exceeding 40° on the Atlantic coasts of the Iberian Peninsula, 39° at Scilly, 36° at Jersey. Lowest, – 12° Fahr. at Haparanda, – 1° at Hernösand, + 0° at Moscow, 10° at Hango, 15° at Kiev; (2) 20° at Parsonstown, 23° at Loughborough, 25° at Nairn and at Wiesbaden, 28° at Paris and Lyons. Rising very temporarily during day in most parts of Great Britain, but falling fast again as night came on, and hard frost setting in over our Islands.

Barometer and Wind. 8 a.m. 6 p.m.



Wind extremely light in force and variable in direction over northern Europe: North-Westerly, moderate to strong, over the British Islands, North-Westerly to Westerly over the north and west of France; a cyclonic circulation of light winds prevalent over Germany, and of moderate to strong winds over the Riviera and north of Italy, South-Easterly b[illegible]ezes in several parts of Spain. Blowing a gale at night on our extreme north and n[illegible]west coasts.

Barometer highest, 30·0 ins. and more at Corunna, and exceeding 29·9 ins. over the south-western half of Ireland, the whole of the Bay of Biscay, and the greater part of Spain; exceeding 29·8 ins. over Greece and the southern parts of the Mediterranean. Lowest, below 29·3 ins. over north-eastern Germany; about 29·5 ins. in a small depression over the Orkneys, and about the same value over Tuscany. New small depression reaching Scotland later, and travelling slowly south-eastwards, others appearing over Scandinavia.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week barometrical pressure was highest over the southern and south-eastern parts of Europe, and lowest in a cyclonic system of moderate depth, which spread over the southern parts of the United Kingdom from the westward. After producing a good deal of rain at some of the English stations the depression moved south-eastwards to France and dispersed, the high-pressure system over southern Europe, in the meantime, receding in a southerly direction.

An anticyclone now appeared off our western coasts, and, for the remainder of the week, the conditions over our Islands and the greater part of the Continent were influenced by depressions which advanced over Scotland or Scandinavia from the northward, and which afterwards travelled in a south-easterly or southerly direction to the more central countries, when they gradually filled up. Over western Europe the prevailing winds were, therefore, North-Westerly and Northerly and frequently strong to a gale in force, the weather being cold and changeable, with snow in nearly all districts. On the 23rd a very small secondary disturbance which moved southwards across the east of England occasioned sharp thunderstorms in several parts of our eastern and south-eastern counties, followed by heavy squalls of hail and snow.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 20.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	15·1	?	27	?	EASTBOURNE	13·0	?	30	?
OSWALDKIRK (Yorkshire)	17·9	?	31	?	MANCHESTER (Oldham Road	8·7*	?	15*	?
WORKSOP	17·5	+ 8·2	30	+15	TENBY	16·7*	?	28*	?
THURCASTON (Leicestershire)	19·3	+11·1	33	+19	NEWQUAY	12·8	?	21	?
MARGATE	10·9	?	18	?	TORQUAY	24·4*	?	40*	?
WESTBOURNE (Sussex)	12·2*	?	20*	?	ARLEY COTTAGE (County Cavan)	21·0	?	37	?
BRIGHTON	20·8	?	35	?	GUERNSEY	21·1*	?	34*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 5.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 2ND, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 26.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	41	5	35·1	22·9	29·2	10 below	0	− 6	90	+56	0	− 36	339	+174
	1. SCOTLAND, EAST	41	1	34·0	20·4	27·5	10 below	0	− 8	103	+64	0	− 39	410	+213
	2. ENGLAND, N.E.	39	16	34·5	25·7	30·3	8 below	0	− 8	82	+47	0	− 38	327	+144
	3. ENGLAND, EAST	38	2	33·1	20·2	26·9	12 below	0	− 8	106	+66	0	− 37	340	+128
	4. MIDLAND COUNTIES	37	9	31·9	20·2	26·3	12 below	0	−10	110	+70	0	− 46	367	+154
	5. ENGLAND, SOUTH	36	14	32·3	22·6	27·7	12 below	0	−12	100	+70	8	− 46	296	+135
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	39	12	34·5	24·3	29·6	10 below	0	− 9	87	+60	0	− 48	319	+174
	7. ENGLAND, N.W.	43	19	34·5	26·0	30·4	10 below	0	− 8	81	+53	0	− 41	284	+134
	8. ENGLAND, S.W.	43	− 2	34·4	22·5	28·7	13 below	0	−15	93	+72	13	− 61	259	+148
	9. IRELAND, NORTH	49	14	37·4	27·1	32·5	8 below	0	−14	67	+43	0	− 69	259	+132
	10. IRELAND, SOUTH	48	15	39·0	28·4	33·9	9 below	0	−21	57	+38	2	− 99	199	+100
	—CHANNEL ISLANDS	49	32	37·8	29·9	34·0	10 below	0	−22	56	+48	53	− 57	120	+ 74

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 26.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	3	8 less	25	− 1	4·0	− 2·7	14	+13*	24	+23*	40	+ 8	17	+ 3
	1. SCOTLAND EAST	5	5	2 less	22	+ 3	3·2	0·0	8	− 7	13	−13	40	− 18	17	− 7
	2. ENGLAND, N.E.	7	8	3 more	29	+11	4·7	+ 2·5	8	− 1	13	− 1	52	+ 6	18	+ 2
	3. ENGLAND, EAST	5	3	1 less	26	+ 8	3·5	+ 1·3	11	− 2	18	− 3	47	− 10	16	− 4
	4. MIDLAND COUNTIES	4	4	2 less	21	+ 3	3·5	+ 0·8	12	+ 1	20	+ 1	56	+ 10	19	+ 3
	5. ENGLAND, SOUTH	4	2	4 less	22	+ 4	2·9	− 0·2	13	0	21	0	68	+ 12	22	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	2	11 less	20	− 3	1·9	− 4·7	17	+ 7	28	+12	77	+ 36	28	+ 13
	7. ENGLAND, N.W.	4	3	4 less	24	+ 3	3·0	− 0·5	12	+ 5	20	+ 8	49	+ 19	22	+ 7
	8. ENGLAND, S.W.	4	4	5 less	25	+ 4	4·6	0·0	21	+ 6	33	+11	90	+ 33	29	+ 11
	9. IRELAND, NORTH	3	3	4 less	24	+ 1	3·1	− 0·8	20	+ 8	34	+15	64	+ 19	22	+ 3
	10. IRELAND, SOUTH	3	2	7 less	24	+ 2	4·5	− 0·2	20	+ 6	32	+ 9	72	+ 10	25	+ 3
	—CHANNEL ISLANDS	5	5	2 less	30	+ 7	4·5	+ 0·6	27	+14	42	+22	92	+ 26	34	+ 9

* *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very unsettled and wintry in all parts of our Islands, considerable quantities of snow occurred in the north-east of England, but elsewhere the falls, although frequent, were generally slight.

Temperature was greatly below the mean, the deficit ranging from 8° in Ireland N. and England N.E. to 12° over eastern, southern, and central England, and to 13° in England S.W. The highest of the maxima, which were registered during the earlier part of the week in Ireland and towards its close over Great Britain, ranged from 49° in Ireland N. and the Channel Islands to 36° in England S. The absolute minima were extremely low generally and were recorded at most stations either on the 28th or 29th. In England S.W. (at Llandovery) the thermometer in the screen fell to − 2°, in Scotland E. (at Braemar) to 1°, and in England E. (at Hillington) to 2°. Elsewhere the minima varied from 5° in Scotland N. and 9° in the Midland Counties, to 15° in Ireland S. and to 22° in the Channel Islands.

Rainfall exceeded the mean in England N.E., but was less in all other districts, the deficit being large in Scotland N. and W. and in Ireland S.

Bright Sunshine did not differ materially from the mean in the "Wheat-producing" districts, but exceeded it in the "Grazing" districts and in Scotland N. The percentage of the possible duration ranged from between 13 and 21 in the eastern and south-eastern districts to 34 in Ireland N. and to 42 in the Channel Islands.

Barometer and Wind.—During the earlier days of the period depressions continued to move south-eastwards over our northern and eastern coasts and the North Sea, the wind being moderate to fresh from the North-Westward. By the 29th January these systems had disappeared and the barometer in the north rose very briskly. Depressions, however, moved towards our Islands; at first from the south-eastward, and subsequently from the south-westward, the latter causing the wind, which had become Easterly, to increase in force generally, and attain the strength of a gale at some of our Channel stations.

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II.—DATA from which the SUMMARY on page 25 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	39	22	36·0	28·1	32·2	− 7·1	0	69	3	0·19	−0·63	*	*	*	*
	Stornoway	41	19	38·1	24·9	31·8	− 7·5	0	71	4	0·57	−0·55	23·1	+ 13·4	41	+23
	Wick	38	14	36·0	25·0	30·7	− 7·6	0	79	6	0·50	+0·02	*	*	*	*
	Glencarron §	37	9	32·6	19·7	26·4	−11·3	0	109	?	?	?	*	*	*	*
	Fort Augustus §	39	5	33·4	17·6	25·8	−13·2	0	113	5	0·24	−0·78	7·0	?	12	?
	Fort William §	40	11	33·9	22·2	28·3	−11·1	0	96	2	0·19	−2·01	11·6	?	20	?
1. SCOTLAND, E.	Nairn	38	5	34·4	14·6	24·9	−13·2	0	120	5	0·57	+0·17	*	*	*	*
	Aberdeen	38	16	34·6	23·7	29·4	− 8·8	0	88	6	0·60	+0·08	7·3	− 7·0	13	−13
	Braemar §	34	1	29·3	13·0	21·5	−13·7	0	144	6	0·45	−0·30	2·3†	?†	4†	?†
	Ochtertyre §	38	16	35·9	24·4	30·4	− 6·6	0	81	5	0·35	−0·76	*	*	*	*
	Leith §	41	15	36·6	22·7	29·9	− 9·7	0	85	5	0·45	+0·04	*	*	*	*
	Marchmont §	37	19	33·1	24·0	28·7	− 8·5	0	93	2	0·38	−0·22	11·3	?	19	?
2. ENGLAND, N.E.	Alnwick Castle	37	22	34·1	26·3	30·4	− 7·8	0	81	7	1·44	+0·96	*	*	*	*
	Durham	36	18	33·4	23·7	28·7	− 9·0	0	93	7	0·76	+0·34	9·5	− 2·5	16	− 4
	Shields	39	21	35·7	26·6	31·3	− 8·0	0	75	5	0·56	+0·16	*	*	*	*
	Scarborough M	38	22	34·9	28·5	31·8	− 7·3	0	71	6	0·78	+0·32	*	*	*	*
	York	38	16	34·3	22·1	28·4	−10·1	0	95	7	0·37	−0·08	?	?	?	?
	Spurn Head	36	24	34·7	27·1	31·1	− 7·4	0	76	7	0·67	+0·35	*	*	*	*
3. ENGLAND, E.	Hillington M	35	2	32·6	19·2	26·2	−11·8	0	111	7	0·56	+0·13	10·6	− 1·7	17	− 3
	Yarmouth	35	11	33·4	21·1	27·5	−10·9	0	102	5	0·40	−0·05	*	*	*	*
	Geldeston	38	8	34·9	21·3	28·4	−10·6	0	95	4	0·33	−0·04	13·5	− 0·5	22	0
	Cambridge	36	15	33·0	19·6	26·6	−11·9	0	108	3	0·21	−0·19	9·7	− 3·3	16	− 5
	Rothamsted	35	15	31·5	19·6	25·8	−12·2	0	113	4	0·18	−0·40	9·5	?	15	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	36	14	33·6	21·9	28·0	−10·5	0	98	3	0·40	0·00	*	*	*	*
	Loughborough	36	9	33·1	17·4	25·6	−13·2	0	115	5	0·51	+0·02	*	*	*	*
	Stamford (Ketton Hall)	35	12	32·4	20·0	26·5	−12·3	0	109	5	0·32	−0·07	*	*	*	*
	Cheadle M	34	15	30·6	21·4	26·2	−11·0	0	111	5	0·62	+0·04	*	*	*	*
	Solihull	35	17	30·5	20·8	25·8	−12·4	0	113	6	0·41	?	*	*	*	*
	Churchstoke M	36	11	31·7	18·5	25·4	−13·3	0	116	3	0·39	−0·26	10·3	− 1·9	17	− 3
	Hereford M	37	16	32·9	20·7	27·0	−12·4	0	105	4	0·49	−0·08	*	*	*	*
	Cirencester	35	11	30·7	19·0	25·1	−13·3	0	118	5	0·21	−0·47	15·9	+ 2·8	26	+ 5
	Oxford	35	20	32·0	21·7	27·1	−12·5	0	104	4	0·15	−0·37	11·6	0·0	19	0
5. ENGLAND, S.	London	35	18	33·3	22·1	27·9	−12·0	0	99	5	0·36	−0·12	3·0†	− 4·8†	5†	− 6†
	North Foreland	36	22	33·1	24·0	28·7	−11·2	0	93	1	0·06	?	*	*	*	*
	Strathfield Turgiss M	34	19	31·8	21·3	26·8	−12·2	0	106	3	0·32	−0·22	*	*	*	*
	Dungeness	36	19	32·4	22·4	27·6	−12·5	0	101	5	0·18	−0·40	*	*	*	*
	Hastings (St. Leonards)	35	22	31·4	23·6	27·7	−12·6	0	100	6	0·11	−0·48	13·4	− 2·4	22	− 2
	Southampton	35	21	33·1	23·6	28·5	−11·9	0	95	3	0·20	−0·50	17·3	+ 4·3	28	+ 8
	Hurst Castle	35	24	33·4	24·9	29·3	−11·6	0	89	1	0·17	−0·48	*	*	*	*
	Stowell M	33	14	30·9	19·1	25·2	−13·8	0	118	4	0·40	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	39	16	34·2	23·6	29·1	−11·2	0	90	3	0·12	−1·82	*	*	*	*
	Glasgow	36	19	33·7	25·3	29·7	− 9·3	0	86	3	0·10	−0·84	5·1	− 3·0	9	− 3
	Ardrossan	37	19	34·7	24·0	29·6	−10·9	0	87	2	0·14	−0·78	*	*	*	*
	Glenlee §	37	12	31·1	20·1	26·9	−11·0	0	106	1	0·28	−1·34	*	*	*	*
	Douglas (Isle of Man)	38	21	36·7	28·6	32·8	− 7·8	0	64	2	0·23	−0·77	28·0	+15·8	47	+27
7. ENGLAND, N.W.	Stonyhurst	36	19	32·4	23·4	28·1	−10·5	0	97	4	0·28	−0·59	13·9	+ 3·1	23	+ 6
	Blackpool M															
	Manchester (Prestwich)	35	19	32·4	22·9	27·8	−10·8	0	99	4	0·47	−0·15	9·8	?	16	?
	Liverpool Obsy. (Bidston)	36	23	33·4	25·6	29·7	−10·5	0	86	1	0·22	−0·22	*	*	*	*
	Llandudno M	40	25	36·1	27·7	32·1	− 9·7	0	69	5	0·11	−0·49	17·7	+ 5·8	29	+ 8
	Holyhead	43	28	38·0	30·6	34·5	− 7·6	0	53	4	0·34	−0·36	*	*	*	*
8. ENGLAND, S.W.	Llandovery	36	− 2	31·7	12·6	22·5	−18·7	0	137	6	0·30	−0·87	*	*	*	*
	Pembroke	41	27	36·0	29·0	33·1	− 9·4	0	62	3	0·64	−0·15	17·7	+ 2·7	29	+ 6
	Bristol (Montpelier)	35	19	33·1	21·8	27·7	−12·2	0	100	4	0·31	−0·39	*	*	*	*
	Arlington (N. Devon)	35	16	32·0	21·0	26·7	−13·2	0	107	5	0·45	−0·54	*	*	*	*
	Cullompton M	35	16	33·3	20·6	27·2	−13·2	0	104	5	0·27	−0·46	19·4	+ 7·6	31	+14
	Falmouth	43	25	37·1	25·9	31·7	−12·3	0	72	3	0·91	−0·27	22·1	+ 7·6	35	+14
	Plymouth	40	22	35·1	24·3	29·9	−12·4	0	85	3	0·41	−0·44	20·4	+ 7·3	32	+11
	Prawle Point	41	23	36·0	25·1	30·8	−11·3	0	78	2	0·19	−0·47	*	*	*	*
9. IRELAND, N.	Malin Head	45	30	39·0	31·6	35·5	− 5·8	0	46	2	0·16	?	*	*	*	*
	Londonderry	45	23	37·5	27·5	32·7	− 7·9	0	65	5	0·61	−0·26	*	*	*	*
	Edenfel (Omagh)	40	19	35·6	23·9	30·0	− 9·5	0	84	3	0·15	−0·57	*	*	*	*
	Belmullet	49	26	40·6	30·9	35·9	− 6·9	0	43	4	0·25	?	*	*	*	*
	Markree Castle	44	16	37·3	24·4	31·1	− 9·2	0	76	3	0·70	−0·04	20·1	+ 8·0	34	+15
	Brookeborough	46	14	37·6	24·6	31·4	− 8·9	0	74	2	0·20	−0·71	*	*	*	*
	Armagh	40	18	35·2	25·1	30·1	− 9·9	0	81	2	0·34	−0·27	19·8	+ 7·2	33	+14
	Donaghadee	42	25	38·3	30·4	34·5	− 6·4	0	53	5	0·19	−0·44	*	*	*	*
	Edgeworthstown	42	19	35·5	25·2	30·6	− 9·1	0	80	1	0·10	−0·58	*	*	*	*
10. IRELAND, S.	Dublin	43	24	38·3	30·8	34·7	− 7·4	0	51	5	0·34	−0·16	18·0	+ 4·0	30	+ 7
	Parsonstown	44	20	37·1	25·1	31·3	− 9·6	0	75	3	0·36	−0·28	17·8	+ 4·1	29	+ 7
	Kilkenny	43	22	37·9	26·7	32·5	− 9·3	0	67	3	0·24	−0·51	*	*	*	*
	Roche's Point	48	28	40·4	30·1	35·5	− 7·9	0	46	4	0·10	−1·11	*	*	*	*
	Valencia	48	27	40·9	31·3	36·3	− 8·8	0	40	3	0·30	−1·11	23·4	+ 8·1	38	+14
	Killarney	48	15	39·5	25·7	32·9	−11·1	0	64	2	0·15	?	*	*	*	*
	Foynes	47	25	38·8	29·1	34·1	− 8·8	0	55	1	0·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	49	28	40·6	32·1	36·5	− 9·4	0	39	5	0·19	−0·61	23·1	?	37	?
	Jersey	37	25	35·9	27·6	31·5	−11·1	0	75	4	0·85	+0·17	31·8	+14·0	50	+22

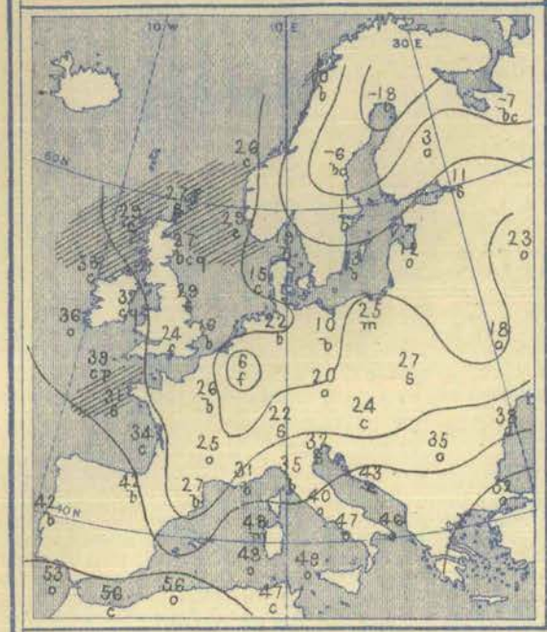
Stations marked M are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

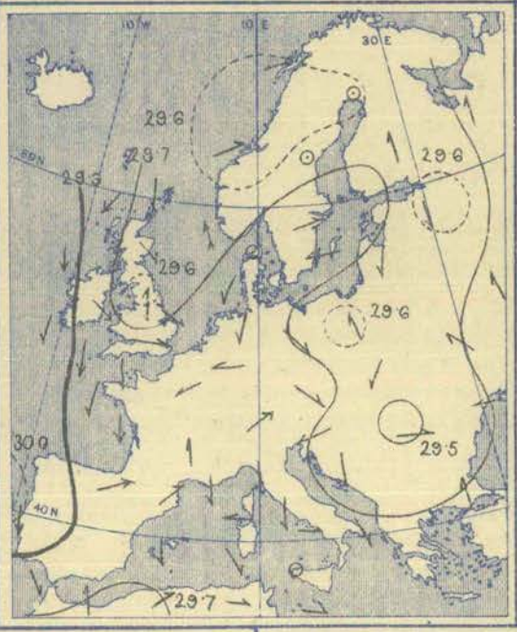
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 27th January.

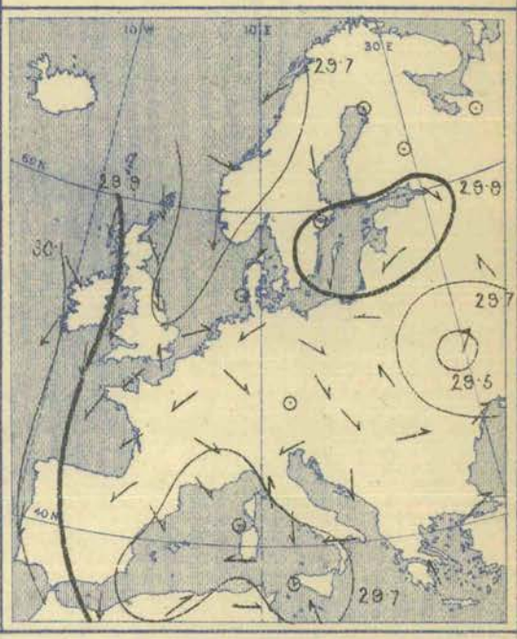
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of Ireland and England, but showery at some of our western stations; snow falling in the north of Scotland and also at Shields. Fine in most of the northern countries, as well as in Portugal; changeable in the central countries, with snow in many places; dull in Spain and the central and southern parts of Italy. Snow falling during day in many parts of western, northern, and central Europe; thunderstorm occurring at Brest and lightning seen at night in the south-west of England.

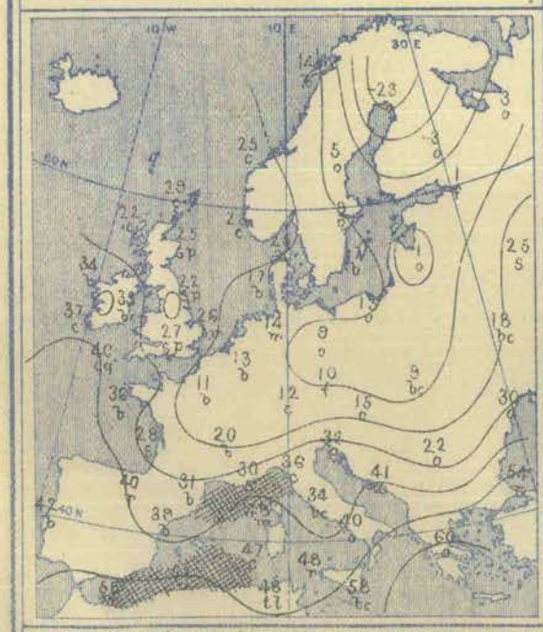
Temperature fallen in most places. Morning readings highest, 56° at Oran and Algiers, 54° at Malta, and 53° at San Fernando and Nemours; above 45° over the central and southern parts of the Mediterranean generally. Lowest, – 18° Fahr. at Haparanda, – 11° at Uleaborg, – 7° at Archangel, and – 6° at Hernösand; considerably below the freezing point over northern and central Europe generally and also over central England. Daily maxima below 32° in many parts of Great Britain, as well as over central Europe generally; thermometer exceeding 55° over southern Italy and reaching 63° at Cagliari.

Wind moderate to strong from the Northward in the south-western, western, and northern parts of the United Kingdom and also over the Spanish Peninsula and the west of France. Light from the Southward over the eastern and central parts of England. Light and variable over northern Europe; North-Westerly or Westerly over Germany and Austria; Northerly or North-Westerly in Italy. Subsequently shifting to the Northward over the greater part of England; no important change occurring elsewhere.

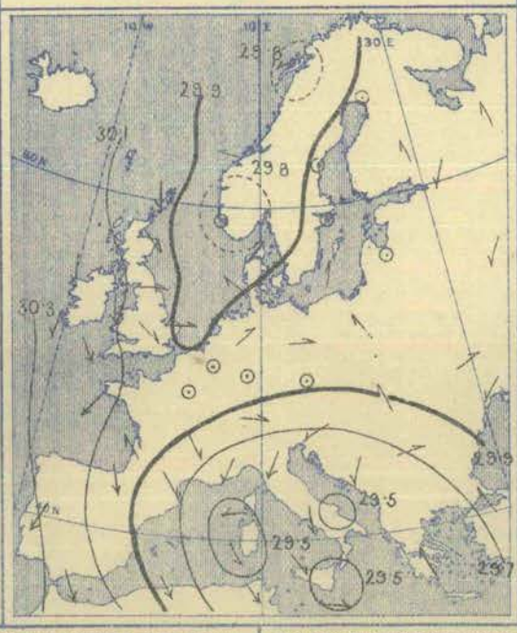
Barometer highest, 30·0 ins. and upwards in an area lying off the Portuguese coasts. Lowest, 29·5 ins. and less in a depression over eastern Austria; 29·6 ins. and less in a well-marked disturbance over the north of England, as well as in a large shallow area over the northern parts of Scandinavia, and in small systems lying respectively near St. Petersburg and over eastern Germany. Depressions all moving eastwards later, but large disturbance beginning to form over the central parts of the Mediterranean.

Monday, 28th January.

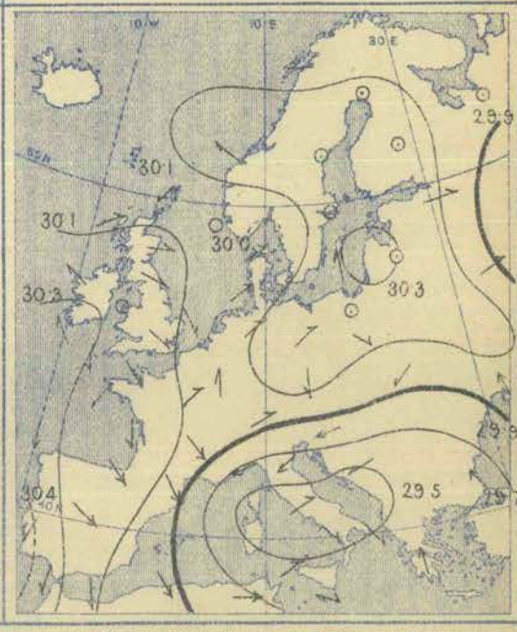
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very changeable over the United Kingdom, with snow showers in many places. Fine in the western and northern parts of the Continent generally, but unsettled in the west of France, with snow at Rochefort and rain at Biarritz. Dull in most of the eastern, central, and southern countries, with fog over the Gulf of Finland, snow at Moscow and Nice, and rain at Brindisi. Thunderstorm reported at Tunis. Weather improving later over England, but snow falling at several of our western, northern, and eastern stations; thunderstorm occurring at Biarritz.

Temperature fallen at all but the Scandinavian and Danish stations. Morning readings highest, 60° at Athens, 58° at Malta and Oran, 55° at Nemours, and 54° at Constantinople. Lowest, – 23° Fahr. at Haparanda, – 14° at Uleaborg, – 3° at Kuopio, and + 1° at St. Petersburg, below 15° over central Europe generally, and below 20° in some parts of central England. Remaining below the freezing point all day in many parts of Great Britain and France, but exceeding 35° in the south of France, exceeding 50° in the southern parts of Spain and Italy, and reaching 56° at Oporto.

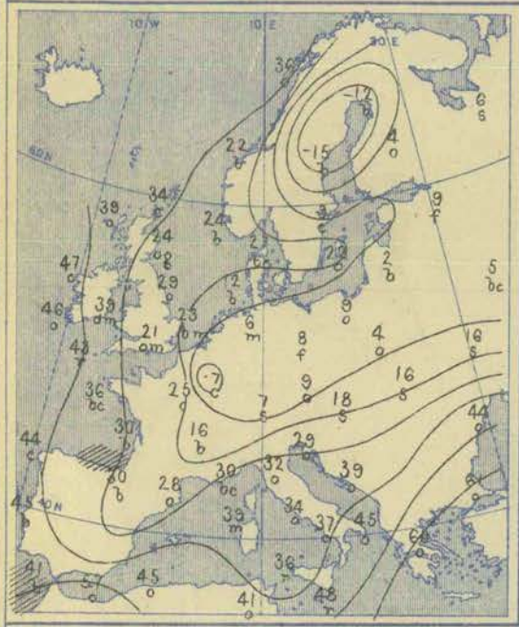
Wind light to fresh from the Northward or North-Westward over our Islands and the greater part of France, Spain, and Italy. Southerly (South-East to South-West) over Denmark and the south of Scandinavia, with a gale at Faerder; calm in Sweden, Easterly in the west of Norway. Light and very variable over Russia and central Europe. Subsequently backing to the Westward or South-Westward over the northern parts of the United Kingdom, and shifting to the South-Eastward in the west and south of Ireland. Strong cyclonic winds setting in over southern Europe and the Mediterranean.

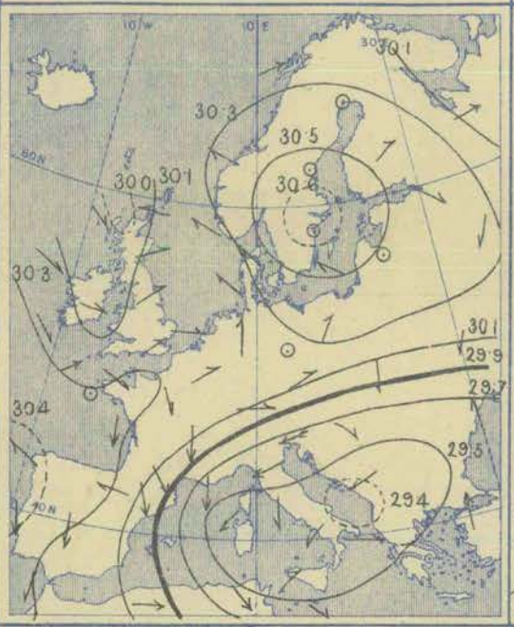
Barometer highest, 30·3 ins. and upwards in a large anticyclone extending from the Atlantic over Portugal and very nearly touching the south-west of Ireland. Lowest, 29·5 ins. and less in a complex series of depressions lying over Italy and the neighbouring parts of the Mediterranean; 29·8 ins. and less in two shallow systems lying respectively over the south and the north of Norway. Norwegian depressions subsequently filling up, but new disturbance beginning to approach the extreme north of Scotland.

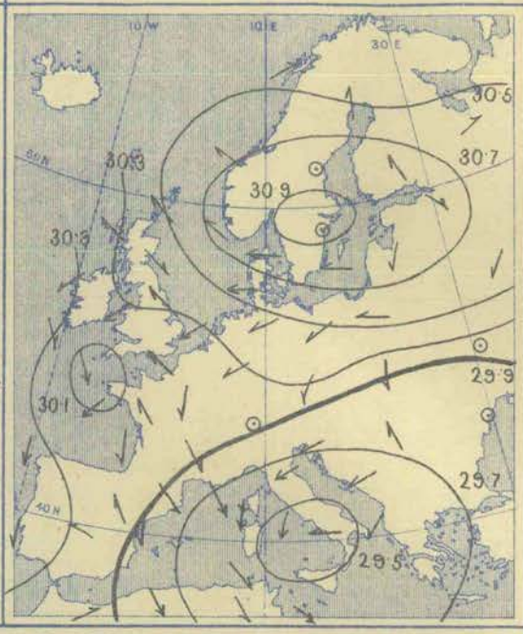
Wyman & Sons, L^d, Lith, 63, Carter Lane

Tuesday, 29th January.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning cloudy over the United Kingdom generally, with snow at some of the English stations, and with rain at Malin Head and Scilly. Fine in Scandinavia and Denmark and also over the Spanish Peninsula and the west of France, but cloudy or overcast in other parts of the Continent, with snow in places, and with rain at Palermo, Malta, Patras, and Tunis. Showers of rain or hail falling during day at many of our own western stations. Thick high fog prevailing in London in afternoon. Thunderstorm occurring at Rome.

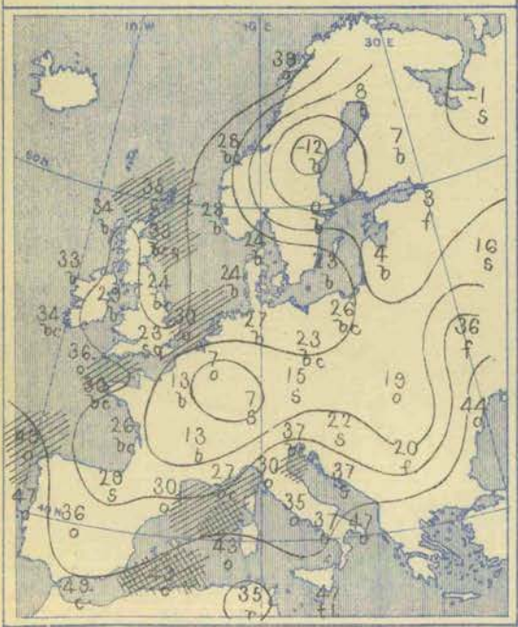
Temperature risen quickly in the west and north of our Islands, but fallen elsewhere. Morning readings highest, (1) 61° at Constantinople, 60° at Athens, 56° at Patras, and 48° at Malta; (2) 47° at Belmullet and 46° at Valencia (Ireland). Lowest, (1) − 15° at Hernösand, − 12° at Haparanda, and − 8° at Uleaborg; (2) − 7° at Nancy; below 10° at most of the German stations, and considerably below the freezing point over northern, eastern, and central Europe generally, as well as over the greater part of England. Daily maxima below 32° at several of the English stations, but thermometer rising to between 45° and 49° on our extreme west and south-west coasts.

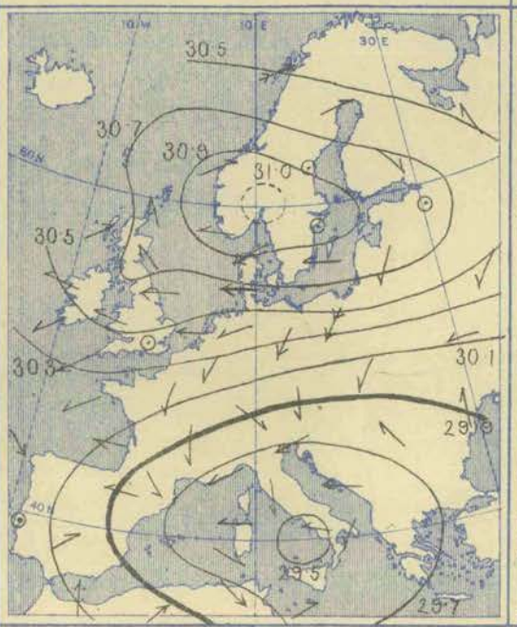
Wind light to moderate from the North-Westward in Ireland and the west of Scotland, but South-Westerly or Southerly in most other parts of the United Kingdom, and South-Easterly on the eastern shores of the North Sea. Calm in Sweden; variable over northern Russia and also over Germany. Strong to a gale from the North-Eastward over the northern parts of Italy and the Adriatic, and from the North-Westward in the south of France, moderate to fresh from the Northward over the the Spanish Peninsula and the west of France. South-Westerly or Westerly over the southern parts of Italy. Subsequently shifting to the South-Eastward or Eastward on our north and east coasts, and to the North-Eastward in Ireland.

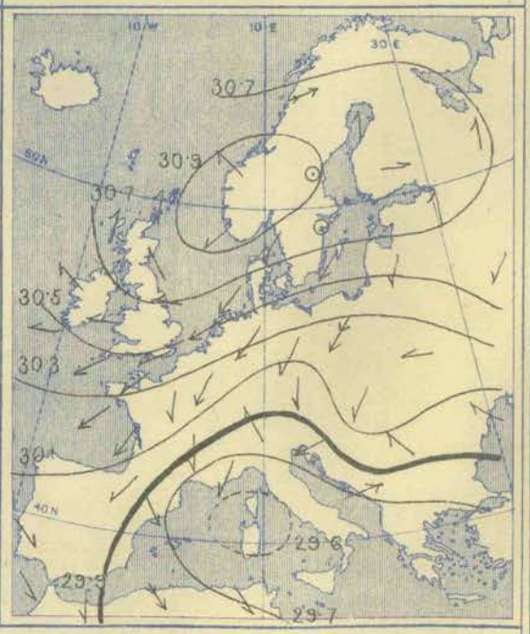
Barometer highest, 30·65 ins. at Stockholm; 30·3 ins. and upwards in an anticyclone covering the greater part of Scandinavia and north Russia. Lowest, 29·4 ins. and less over the southern part of the Adriatic, 29·7 ins. and less in a depression lying over a considerable portion of southern Europe and the Mediterranean, 30·1 ins. and less in a shallow depression over Scotland and the Irish Sea. Anticyclone subsequently spreading westwards over the northern parts of our Islands, depression over Scotland moving steadily southwards.

Wednesday, 30th January.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine over the greater part of western and northern Europe, but with snow showers at some of the English stations. Dull in most of the central and southern countries, with snow over Austria and Germany and at Biarritz and Barcelona, rain at Tunis and a thunderstorm at Malta. Snow showers falling later in several of the western countries. Thunderstorm occurring at Algiers in evening and night.

Temperature risen rapidly over central Russia and north Germany, and to a less extent in Denmark and Scandinavia, but fallen in most other localities. Morning readings highest, 49° at Corunna and Nemours, 47° at Lisbon, Brindisi, and Malta, and 46° at Oran; above 40° over the central and southern parts of the Mediterranean generally, and as high as 39° at Bodö. Lowest, (1) − 12° Fahr. at Hernösand, − 1° at Archangel, 0° at Stockholm, + 3° at St. Petersburg, and 4° at Riga; (2) 7° at Nancy and Munich; considerably below the freezing point over the central and south-eastern parts of Great Britain. Rising during day to 35° or more at several of our western and northern stations, and reaching 41° at Leith; maximum at Nice only 37° and at Lyons only 17°.

Wind Easterly or North-Easterly over the greater part of our Islands and the Continent; strong in force over the south-east of England and northern Italy, and blowing a gale at some of the north German stations. Southerly or South-Easterly in the north and east of Scotland, and South-Westerly or Westerly over the northern parts of Scandinavia, with a gale at Bodö. South-Westerly or Westerly in Algeria. Subsequently increasing to a gale from the North-Eastward over Holland and the south-east of England; no imporant change occurring elsewhere.

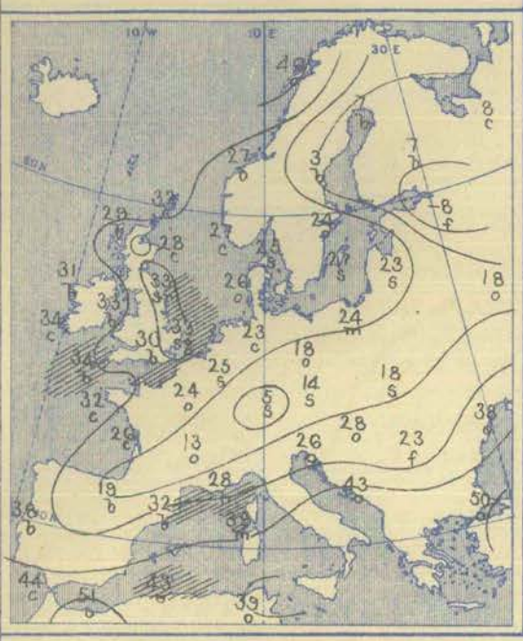
Barometer highest, 31·00 ins. at Faerder and Karlstad, 30·9 ins. and upwards over the central and southern parts of Scandinavia generally; 30·5 ins. and upwards over all the more northern parts of our Islands and the Continent. Lowest, 29·5 ins. and less in a depression having its central portion over the south of Italy. Gradients rather steep over the more central parts of the Continent. Low pressure system over southern Europe surging northwards during day, and barometer falling in the more central countries.

Wyman & Sons Ltd Lith 63 Gardner Lane

Thursday, 31st January.

Temperature and Weather.

8 a.m.

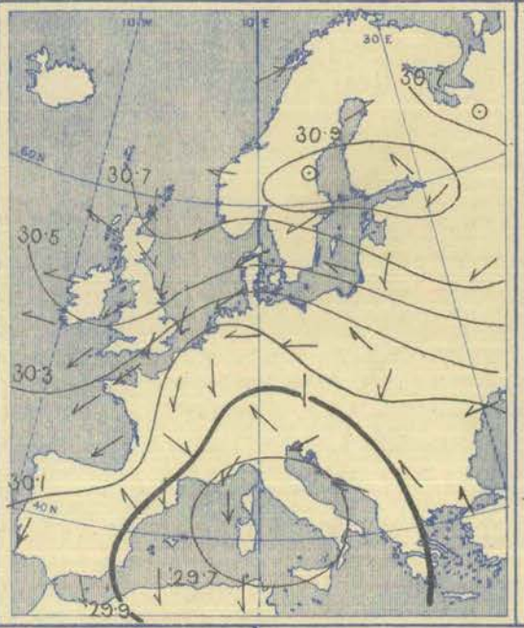


Weather in morning fair or fine over the greater part of the United Kingdom, but snow and hail showers reported on our east and south-east coasts. Fine over the northern parts of Russia and Scandinavia, as well as over the Spanish Peninsula and the west and south of France; cloudy or overcast in other parts of the Continent, with snow in many places (Italian reports not received). Snow falling during day over nearly the whole of Great Britain and the neighbouring parts of the Continent. Solar halos seen at Jersey and in London.

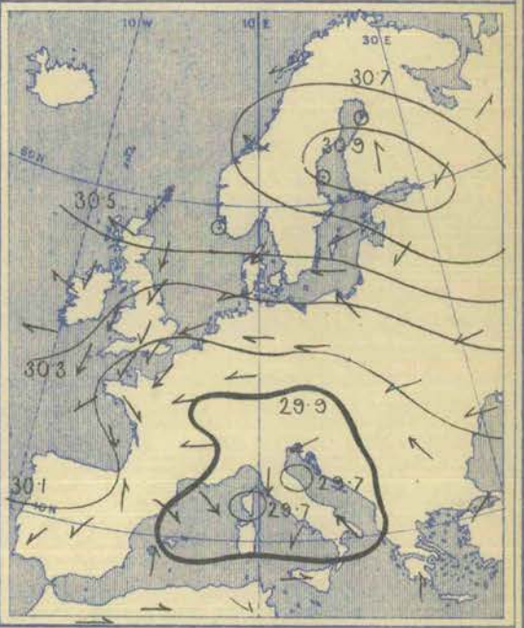
Temperature risen briskly in Sweden, Belgium, and the north of France, and less decidedly over England, Denmark, and Austria, but fallen elsewhere. Morning readings highest, (1) 51° at Nemours, 50° at Constantinople, 46° at Oran, and 44° at San Fernando; (2) 40° at Bodö. Lowest, – 8° Fahr. at St. Petersburg, 0° zero at Helsingfors, and + 3° at Hernösand; (2) 5° at Munich; considerably below the freezing point over the whole of northern and central Europe, as well as over the central parts of Great Britain. Daily maxima over England very little above 32°, but thermometer exceeding 35° at most of the Irish and Scotch stations.

Barometer and Wind.

8 a.m.



6 p.m.



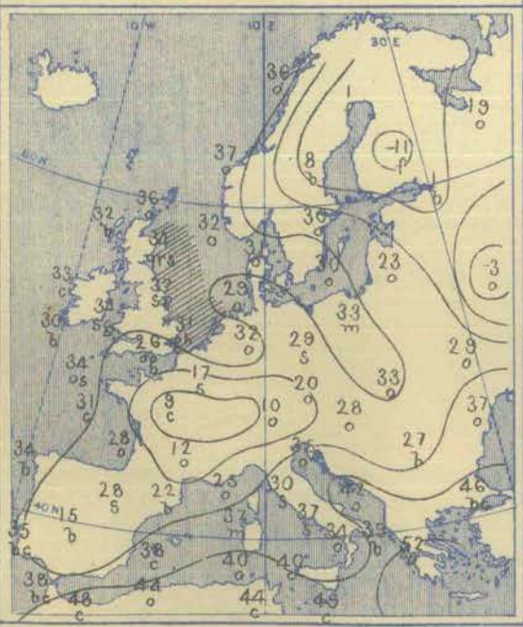
Wind Easterly or North-Easterly over the greater part of our Islands and the Continent, strong to a gale in force over the south-east of England and the eastern and southern parts of the North Sea. South-Westerly in the north of Scandinavia. North-Westerly in the south of France and Northerly at the Algerian stations. Gale in south-east of England subsiding gradually later, but wind increasing somewhat from the Eastward over the Irish Sea. Easterly gale springing up at Trieste in evening.

Barometer highest, 30·90 ins. to 30·99 ins. over Finland and central Sweden, 30·5 ins. and upwards in a large anticyclone embracing all the more northern parts of our Islands and the Continent. Lowest, 29·7 ins. and less in a large depression having its centre (apparently) over Italy. Secondary disturbance forming over Germany, the Netherlands, and the east of France, and spreading westwards over the eastern and southern parts of England. Depression over Italy beginning to fill up.

Friday, 1st February.

Temperature and Weather.

8 a.m.

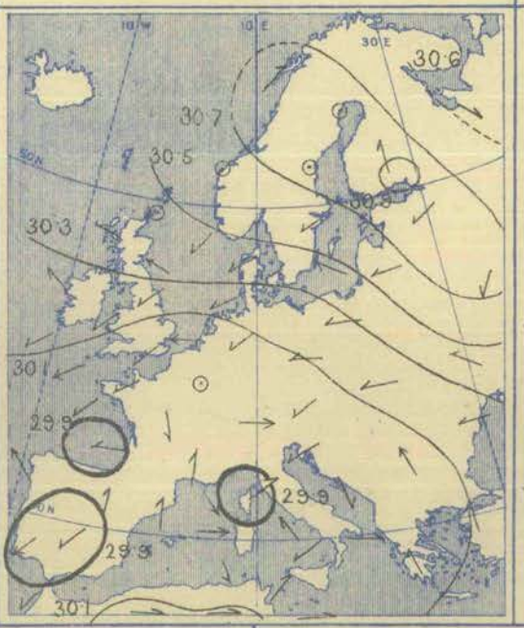


Weather cloudy or overcast in most parts of Great Britain and the Continent, with snow at several of the English, French, Belgian, and German stations, as well as at Leghorn and Rome. Fine in many parts of Ireland and also over the Spanish Peninsula; foggy in Finland. Snow or sleet falling during day in many parts of western Europe, but amounts mostly slight. Rain in considerable quantity over Italy and Sardinia. Lunar halo seen at Ardrossan.

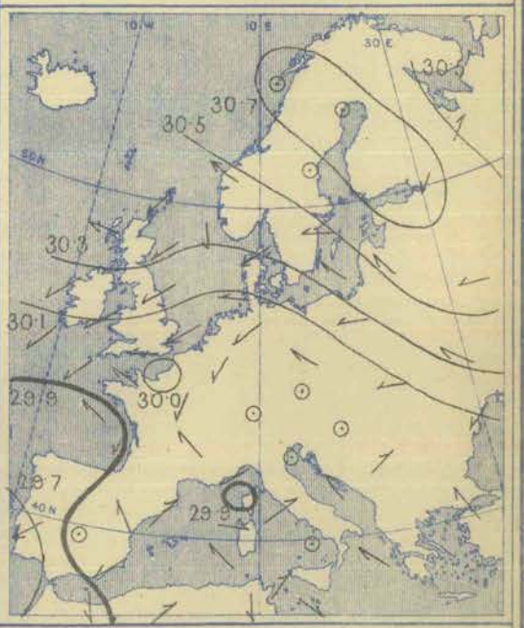
Temperature fallen in south-east of England and over central France, Italy, and the Spanish Peninsula. Readings highest, 52° at Athens, 49° at Malta, and 48° at Patras and Nemours. Lowest, (1) – 11° Fahr. at Knopio, – 3° at Moscow, and + 1° at Haparanda and St. Petersburg; (2) 9° at Paris and Nancy, and 10° at Havre and Munich; below the freezing point over a considerable portion of the Continent and over the central and southern parts of the United Kingdom. Rising later to between 35° and 39° in the western and northern parts of our Islands. Exceeding 60° at Oran and Cagliari, and 55° on the Algerian coasts, 40° at Perpignan and Biarritz, but only reaching 34° at Nice.

Barometer and Wind.

8 a.m.



6 p.m.

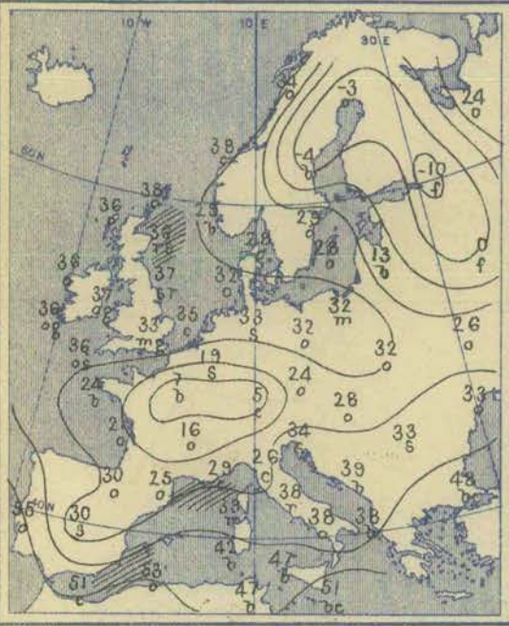


Wind Easterly or North-Easterly over our Islands and the greater part of northern, eastern, and central Europe, calm or variable over the extreme northern parts of Russia and Scandinavia; Southerly over the southern parts of France, North-Easterly over the Spanish Peninsula, South-Westerly or Westerly over the south of Italy, variable in the north of that country. A well-marked cyclonic circulation of strong winds over the Gulf of Genoa. No general change occurring during day.

Barometer highest, 30·8 ins. to 30·9 ins. over Finland and the northern parts of Scandinavia. Lowest, 29·9 ins. and less in three shallow depressions, one lying over the Spanish Peninsula, another over the Gulf of Genoa, and the third over western Austria. General fall of barometer taking place during day over north-western Europe, and small shallow depression forming over the Netherlands in evening.

Saturday, 2nd February.

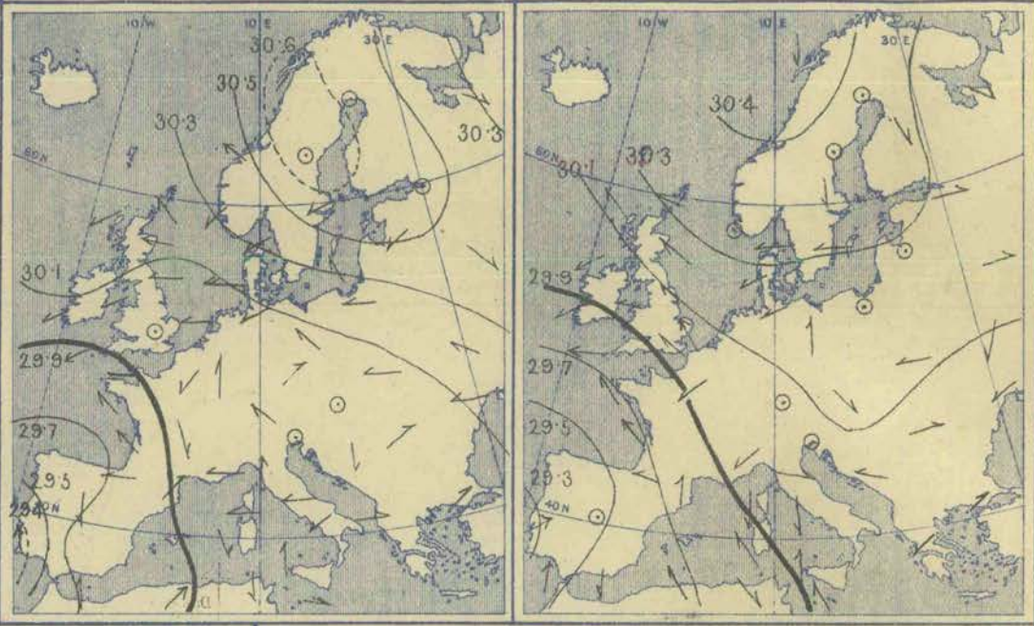
Temperature and Weather. — 8 a.m.



Weather in morning dull in most parts of our Islands and the Continent; snow or sleet falling at many of our own stations, as well as in central Spain and some parts of Germany and Austria; fog reported over northern and central Russia. Fine and bright in some parts of central France and also over southern Italy. Sky clearing later in the south and south-east of England, as well as at some of the Scandinavian stations; lightning seen at Holyhead at night.

Temperature risen somewhat over the United Kingdom, as well as over north Germany and the greater part of southern Europe, but fallen elsewhere. Morning readings highest, 55° at Lisbon, 53° at Algiers, 51° at Malta and Nemours, and 48° at Constantinople. Lowest, (1) – 10° Fahr. at St. Petersburg, – 4° at Hernösand, – 3° at Haparanda, and 0° (zero) at Moscow; (2) 1° at Limoges, 3° at Nancy, 5° at Munich, and 7° at Paris; below the freezing point over northern, eastern, and central Europe generally. Rising during day to between 35° and 39° in most parts of the United Kingdom, but remaining below 32° on the Kentish coast. Exceeding 40° in the south of France, and reaching 57° at Lisbon.

Barometer and Wind — 8 a.m. and 6 p.m.



Wind Easterly over the greater part of north-western and northern Europe; strong at some of our own western stations and blowing a gale at Faerder. Cyclonic circulations of light breezes shown repectively over the south-eastern parts of England and over south Germany and the east of France. Variable over Italy and Austria; moderate to fresh from the South-Eastward over Portugal and the Bay of Biscay. South-Easterly breezes setting in later over the south-east of England; no important change occurring elsewhere.

Barometer highest, 30·6 ins. and upwards over the northern parts of Scandinavia; 30·3 ins. and upwards in an anticyclone covering the whole of Scandinavia and the greater part of Russia. Lowest, 29·4 ins. and less in a depression lying to the south-westward of the Spanish Peninsula; 29·9 ins. and less in an exceedingly small and shallow disturbance off the east of England. Spanish depression subsequently spreading northwards, and barometer falling rather decidedly in France and the extreme south-west of our Islands.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of last week barometrical pressure was highest to the westward of our Islands, and lowest in several cyclonic systems which lay over various parts of Great Britain and the Continent. Over western Europe the wind was chiefly Northerly, but elsewhere it was rather variable, the weather being cold and unsettled generally, with snow in many places.

During the latter part of the 28th January, however, a large anticyclone was formed over the northern countries, and, in the course of the ensuing day, this increased considerably in height and spread over the North Sea and the northern parts of our Islands. A large depression was, at the same time, developed over Italy and the Mediterranean, so that Easterly winds set in over a considerable portion of Europe, the weather improving temporarily in the north of our Islands, but remaining very unsettled elsewhere, with snow in most countries. On the shores of the Mediterranean the conditions were unusually severe, gales from various quarters being experienced generally, with snow even as far south as Tunis. After the 30th January the southern depression threw off some secondary systems which advanced westward and north-westward and occasioned strong gales in the south-east of England. At the close of the week the large disturbance was filling up, but a new depression had advanced to the Portuguese coasts and was spreading steadily northwards towards the south-west of our Islands. The weather remained cold and unsettled in all the western and central countries, but was improving in the south.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 26.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	10·0	?	17	?	EASTBOURNE	13·1	?	21	?
OSWALDKIRK (Yorkshire)	6·1	?	10	?	MANCHESTER (Oldham Road)	7·5*	?	12*	?
WORKSOP	9·8	– 0·8	16	– 1	TENBY	22·1	?	36	?
THURCASTON (Leicestershire)	14·2	+ 4·5	23	+ 7	NEWQUAY	27·2	?	43	?
MARGATE	13·0	?	21	?	TORQUAY	16·3*	?	26*	?
WESTBOURNE (Sussex)	18·1*	?	29*	?	ARLEY COTTAGE (County Cavan)	20·9	?	35	?
BRIGHTON	13·2	?	21	?	GUERNSEY	25·0*	?	39*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 6.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 9TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 32.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	40	2	33·3	23·7	28·5	10 below	0	− 5	95	+61	0	− 41	434	+235
	1. SCOTLAND, EAST	40	−12	30·7	18·4	24·6	13 below	0	− 9	122	+85	0	− 48	532	+298
	2. ENGLAND, N.E.	39	− 2	20·6	20·4	25·5	13 below	0	− 9	116	+83	0	− 47	443	+227
	3. ENGLAND, EAST	37	1	30·6	15·5	23·1	15 below	0	− 9	132	+95	0	− 46	472	+223
	4. MIDLAND COUNTIES	39	− 8	29·4	11·5	20·5	18 below	0	−11	151	+115	0	− 57	518	+269
	5. ENGLAND, SOUTH	36	2	30·2	18·7	24·4	16 below	0	−13	123	+96	8	− 59	418	+231
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	40	− 5	31·5	22·9	27·2	13 below	0	− 9	104	+78	0	− 57	423	+252
	7. ENGLAND, N.W.	40	10	30·7	21·0	25·9	14 below	0	− 9	113	+86	0	− 50	400*	+223
	8. ENGLAND, S.W.	38	5	31·8	21·8	26·9	15 below	0	−16	106	+85	13	− 77	365	+233
	9. IRELAND, NORTH	42	− 2	34·4	21·9	28·1	12 below	0	−14	97	+73	0	− 83	356	+205
	10. IRELAND, SOUTH	43	6	36·2	27·6	31·9	11 below	0	−21	71	+53	2	−120	270	+153
	—CHANNEL ISLANDS	42	18	34·4	27·1	30·8	14 below	0	−22	78	+71	53	− 79	198	+145

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 32.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	3	9 less	28	− 3	4·3	− 3·6	16	+ 5	26	+ 7	56	+ 12	19	+ 4
	1. SCOTLAND EAST	3	3	4 less	25	+ 2	3·5	− 0·3	15	− 2	24	− 3	55	− 90	18	− 6
	2. ENGLAND, N.E.	4	3	1 less	33	+12	5·0	+ 2·4	20	+ 6	31	+10	72	+ 12	20	+ 3
	3. ENGLAND, EAST	2	1	4 less	28	+ 6	3·6	+ 0·9	32	+16	50	+24	79	+ 5	22	+ 2
	4. MIDLAND COUNTIES	1	less than ½	5 less	22	0	3·5	+ 0·2	31	+18	48	+28	87	+ 27	25	+ 8
	5. ENGLAND, SOUTH	1	1	5 less	23	+ 1	3·0	− 0·6	25	+11	39	+18	93	+ 23	25	+ 7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	7	5 less	22	− 6	2·6	− 5·3	13	+ 1	21	+ 3	90	+ 37	27	+ 12
	7. ENGLAND, N.W.	1	1	6 less	24*	− 1	3·1	− 1·1	18	+10	28	+17	71*	+ 30	25	+ 9
	8. ENGLAND, S.W.	0	—	8 less	25	− 1	4·6	− 0·9	20	+ 4	30	+ 8	110	+ 37	30	+ 10
	9. IRELAND, NORTH	3	9	2 more	27	− 1	4·0	− 0·6	21	+10	33	+16	85	+ 20	25	+ 6
	10. IRELAND, SOUTH	2	9	0 (average)	26	− 1	5·4	− 0·1	13	− 3	19	− 5	85	+ 7	24	+ 2
	—CHANNEL ISLANDS	1	1	6 less	31	+ 3	4·6	− 0·1	27	+22†	42	+31†	119	+ 48	39	+ 13

† *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued exceedingly cold and wintry in all parts of our Islands; very little snow fell over the country as a whole, but large quantities were experienced in the north and west of Scotland and over Ireland during the middle part of the period.

Temperature was even lower than that of the preceding week, the deficit ranging from 10° to 13° in Scotland, from 11° to 12° in Ireland, and from 13° to 18° over England. The highest of the maxima were recorded at the beginning of the period, and ranged from 43° in Ireland S. and 42° in Ireland N. and the Channel Islands to 36° in England S. During the greater part of the week the daily maxima were below the freezing point at all excepting our extreme south-western coast stations. The absolute minima occurred on the 8th, and were lower than any registered for very many years. In Scotland E. (at Braemar) the sheltered thermometer descended to −12°, in England E. (at Stamford) to −8°, in Scotland W. (at Glenlee) to −5°, and in England N.E., and Ireland N. (at Durham and Brookeborough) to −2°. Elsewhere the minima ranged from 1° in England E. and 2° in Scotland N. and England S. to 10° in England N.W. and to 18° in the Channel Islands.

Rainfall (melted snow) exceeded the mean in Ireland N., and just equalled it in Ireland S., but showed a deficit in all other districts. At many of the English stations the fall was extremely slight, no measurable amount being collected in the gauge; while at some of the Scotch stations the amounts measured may inadequately represent the fall, owing to the drifting of the dry snow.

Bright Sunshine exceeded the mean in nearly all districts, the percentage of the possible duration ranging from 50 in England E., 48 in the Midland Counties, and 42 in the Channel Islands, to 21 in Scotland W. and to 19 in Ireland S.

Barometer and Wind.—During the whole of this period the distribution of pressure was anti-cyclonic, the highest readings being over Scandinavia, and the lowest over or to the south-westward of our Islands. North-Easterly to South-Easterly winds consequently prevailed over the United Kingdom, and, although moderate in force generally, increased to a moderate to fresh gale at times in the extreme south and south-west.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 31 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	39	17	32·3	25·1	28·7	−15·3	0	93	4	0·30	−0·52	*	*	*	*
	Stornoway	40	22	36·7	26·6	31·7	− 7·5	0	72	4	0·23	−0·79	16·6	+ 4·5	28	+ 7
	Wick	39	2	33·4	22·9	28·2	− 9·8	0	97	5	0·98	+0·48	*	*	*	*
	Glencarron Ⓢ	38	12	30·6	20·7	25·7	−11·8	0	114	3	0·09	−1·83	*	*	*	*
	Fort Augustus Ⓢ	39	13	33·5	22·1	27·8	−11·0	0	99	2	0·08	−0·90	8·6	?	14	?
	Fort William Ⓢ	40	17	33·0	24·6	28·8	−10·4	0	92	2	?0·25	? −1·87	21·8	?	35	?
1. SCOTLAND, E.	Nairn	40	0	32·7	17·9	25·3	−12·9	0	117	4	0·21	−0·19	*	*	*	*
	Aberdeen	40	6	30·2	23·3	26·8	−11·7	0	106	6	0·67	+0·12	13·5	− 2·1	23	− 3
	Braemar Ⓢ	35	−12	25·3	10·6	18·0	−17·2	0	168	4	0·34	−0·41	15·0†	?†	25†	?†
	Ochtertyre Ⓢ	39	4	34·0	16·4	25·2	−11·8	0	118	1	0·10	−0·93	*	*	*	*
	Leith	39	16	33·6	24·9	29·3	−10·5	0	89	2	0·03	−0·36	*	*	*	*
	Marchmont Ⓢ	37	7	28·6	17·0	22·8	−14·6	0	134	1	0·17	−0·43	14·8	?	24	?
2. ENGLAND, N.E.	Alnwick Castle	38	4	30·1	21·1	25·6	−12·6	0	115	5	0·63	+0·13	*	*	*	*
	Durham	37	− 2	31·2	16·4	23·8	−14·0	0	127	4	0·42	+0·02	13·0	− 0·5	21	0
	Shields	39	7	30·4	20·7	25·6	−13·9	0	115	5	0·20	−0·18	*	*	*	*
	Scarborough Ⓜ												*	*	*	*
	York	38	3	30·0	17·7	23·9	−14·9	0	127	3	0·06	−0·39	12·4	+11·4	36	+19
	Spurn Head	36	20	31·1	25·9	28·5	−10·3	0	95	3	0·10	−0·24	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	35	1	31·1	12·0	21·6	−16·7	0	143	3	0·07	−0·37	30·8	+17·0	48	+26
	Yarmouth	35	15	30·6	23·0	26·8	−11·6	0	106	2	0·14	−0·32	*	*	*	*
	Geldeston	35	3	31·5	16·2	23·9	−15·1	0	113	2	0·08	−0·30	24·7	+ 9·3	39	+15
	Cambridge	37	6	31·6	13·4	22·5	−16·3	0	137	1	0·01	−0·39	34·0	+19·7	53	+31
	Rothamsted	33	3	28·4	12·8	20·6	−17·4	0	150	1	0·01	−0·57	36·8	?	58	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	39	− 1	30·1	9·7	19·9	−18·9	0	155	2	0·02	−0·38	*	*	*	*
	Loughborough	37	− 5	30·3	9·6	20·0	−19·0	0	154	0	—	−0·48	*	*	*	*
	Stamford (Ketton Hall)	37	− 8	30·7	7·7	19·2	−19·9	0	160	2	0·07	−0·34	*	*	*	*
	Cheadle Ⓜ	35	11	29·1	17·3	23·2	−14·0	0	132	0	—	−0·58	*	*	*	*
	Solihull	34	1	28·8	11·6	20·2	−18·2	0	153	0	—	?	*	*	*	*
	Churchstoke Ⓜ	34	− 5	28·3	8·5	18·4	−20·4	0	165	0	—	−0·64	31·8	+18·0	50	+29
	Hereford Ⓜ	36	− 3	28·8	10·4	19·6	−20·2	0	157	0	—	−0·54	*	*	*	*
	Cirencester	33	7	28·3	14·1	21·2	−17·5	0	146	0	—	−0·65	39·2	+24·2	62	+39
	Oxford	36	7	30·1	14·6	22·4	−17·4	0	137	0	—	−0·50	31·3	+18·0	49	+29
5. ENGLAND, S.	London	36	10	29·6	17·4	23·5	−16·5	0	130	1	0·02	−0·43	10·1†	+ 1·3†	16†	+ 3†
	North Foreland	35	18	30·3	22·0	26·2	−13·8	0	111	1	0·08	?	*	*	*	*
	Strathfield Turgiss Ⓜ	35	2	30·7	12·4	21·6	−17·6	0	143	0	—	−0·52	*	*	*	*
	Dungeness	35	13	30·3	21·0	25·7	−14·3	0	114	3	0·06	−0·47	*	*	*	*
	Hastings (St. Leonards)	34	20	28·2	22·2	25·2	−15·2	0	118	1	0·01	−0·56	27·2	+ 9·5	42	+16
	Southampton	36	14	31·7	17·7	24·7	−16·1	0	121	0	—	−0·67	36·6	+21·9	56	+34
	Hurst Castle	35	14	31·6	20·6	26·1	−14·9	0	111	1	0·32	−0·30	*	*	*	*
	Stowell Ⓜ	34	10	28·9	15·9	22·4	−16·6	0	137	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	40	18	33·5	24·7	29·1	−11·1	0	90	2	0·07	−1·83	*	*	*	*
	Glasgow	38	10	30·6	22·8	26·7	−12·3	0	107	2	0·06	−0·84	5·9	− 4·1	10	− 5
	Ardrossan	39	13	31·0	24·0	27·5	−13·0	0	102	2	?0·52	−0·36	*	*	*	*
	Glenlee Ⓢ	38	− 5	28·4	17·2	22·8	−15·2	0	134	3	?2·06	+0·60	*	*	*	*
	Douglas (Isle of Man)	39	11	34·1	25·6	29·9	−10·8	0	85	3	0·91	−0·05	19·6	+ 5·1	31	+ 8
7. ENGLAND, N.W.	Stonyhurst	37	11	28·7	18·9	23·8	−15·0	0	127	1	0·03	−0·82	22·3	+ 9·5	35	+15
	Blackpool Ⓜ	40	10	31·3	19·4	25·4	−13·6	0	116	2	0·03	−0·59	16·4	+ 3·4	26	+ 7
	Manchester (Prestwich)	36	11	30·3	19·4	24·9	−13·9	0	120	0	—	−0·58	11·7	?	19	?
	Liverpool Obsy. (Bidston)	37	12	29·4	20·4	24·9	−15·3	0	120	0	—	−0·44	*	*	*	*
	Llandudno Ⓜ	39	18	31·9	23·4	27·7	−14·1	0	100	1	0·01	−0·57	31·1	+17·1	49	+27
	Holyhead	37	17	32·6	24·6	28·6	−13·4	0	94	1	0·31	−0·37	*	*	*	*
8. ENGLAND, S.W.	Llandovery	36	5	30·3	14·0	22·2	−19·0	0	139	0	—	−1·09	*	*	*	*
	Pembroke	36	23	33·1	24·6	28·9	−13·5	0	92	0	—	−0·75	26·8	+10·2	42	+17
	Bristol (Montpelier)	36	11	30·6	16·7	23·7	−16·2	0	128	0	—	−0·68	*	*	*	*
	Arlington (N. Devon)	33	13	28·3	17·7	23·0	−17·0	0	133	0	—	−1·00	*	*	*	*
	Cullompton Ⓜ	35	13	30·6	17·9	24·3	−16·1	0	124	0	—	−0·72	24·2	+10·4	37	+17
	Falmouth	38	22	35·2	29·8	32·5	−11·5	0	67	0	—	−1·11	11·9	− 5·3	18	− 6
	Plymouth	36	19	33·9	26·0	30·0	−13·5	0	84	0	—	−0·80	16·7	+ 0·9	25	+ 1
	Prawle Point	35	23	32·6	27·9	30·3	−11·7	0	82	0	—	−0·60	*	*	*	*
9. IRELAND, N.	Malin Head	40	20	34·6	28·6	31·6	−10·2	0	73	1	0·01	?	*	*	*	*
	Londonderry	42	15	36·5	23·2	29·9	−10·9	0	85	4	0·36	−0·44	*	*	*	*
	Edenfel (Omagh)	37	5	31·9	19·9	25·9	−13·8	0	113	3	0·32	−0·35	*	*	*	*
	Belmullet	38	23	35·0	27·9	31·5	−10·7	0	74	5	0·58	?	*	*	*	*
	Markree Castle	38	2	34·4	18·8	26·6	−13·7	0	108	3	0·21	−0·50	25·3	+11·8	40	+19
	Brookeborough	39	− 2	35·3	16·6	26·0	−13·8	0	112	2	0·56	−0·28	*	*	*	*
	Armagh	38	5	33·7	19·3	26·5	−13·3	0	109	3	0·22	−0·38	21·7	+ 8·1	34	+13
	Donaghadee	41	16	35·0	26·0	30·5	−10·5	0	81	5	2·37	+1·75	*	*	*	*
	Edgeworthstown	37	0	32·8	16·5	24·7	−15·1	0	121	0	—	−0·70	*	*	*	*
10. IRELAND, S.	Dublin	39	19	35·1	28·0	31·6	−10·6	0	73	2	0·33	−0·19	15·3	− 0·1	24	0
	Parsonstown	37	6	33·4	21·4	27·4	−13·6	0	102	1	0·25	−0·35	18·2	+ 3·2	28	+ 5
	Kilkenny	37	20	34·1	26·6	30·4	−11·5	0	81	1	0·27	−0·43	*	*	*	*
	Roche's Point	40	28	32·0	32·1	35·6	− 8·2	0	45	2	0·90	−0·28	*	*	*	*
	Valencia	41	22	38·3	29·7	34·0	−11·0	0	56	4	1·95	+0·62	4·1	−12·3	6	−20
	Killarney	43	15	37·8	27·5	32·7	−11·3	0	65	4	1·90	?	*	*	*	*
	Foynes	38	22	35·8	27·7	31·8	−11·2	0	71	2	0·40	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	42	27	38·4	31·4	34·9	−10·9	0	50	1	0·24	−0·52	11·8	?	18	?
	Jersey	35	18	30·4	22·7	26·6	−16·2	0	108	0	—	−0·67	41·5	+21·6	63	+34

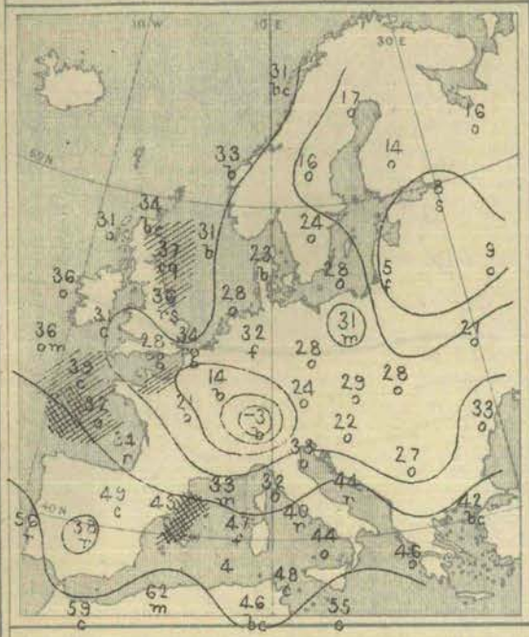
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

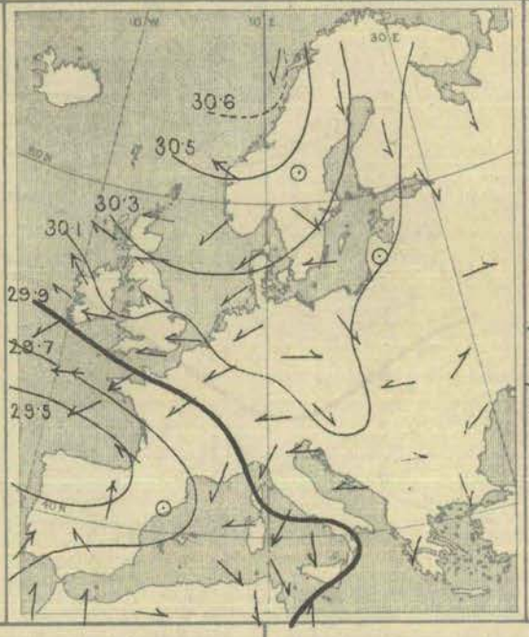
* An asterisk is inserted in all places for which the information is not usually received.

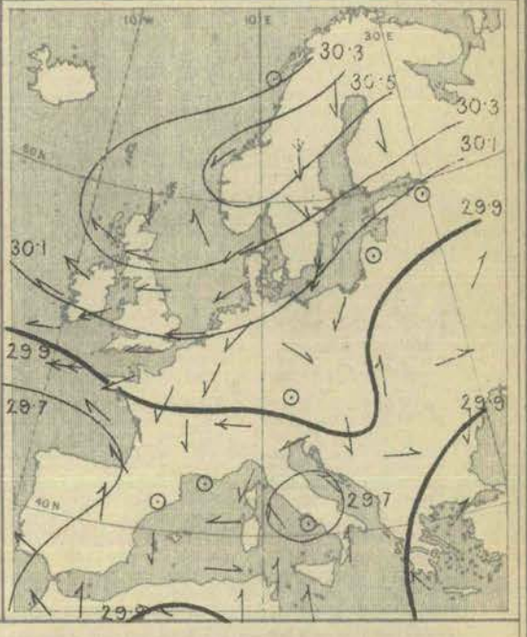
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhe similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 3rd February.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine over Norway, Denmark, and the Shetland Islands, as well as the west and south of Germany, foggy over the Netherlands, dull elsewhere, with snow in many parts of the British Islands. Snow and rain showers in several parts of Scotland later, and a considerable fall at Donaghadee. Much rain over southern Europe also, especially at Rome, where the fall amounted to 1·2 ins. Snow showers over north Germany.

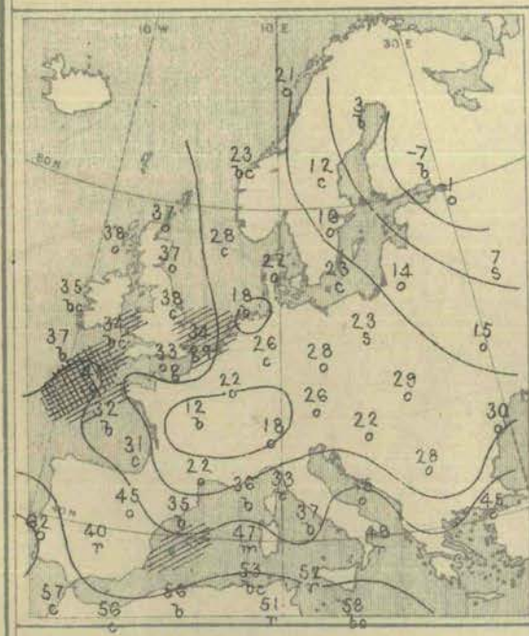
Temperature risen considerably both over northern Europe and France, fallen over England and Ireland. Morning readings highest, 62° at Algiers, 55° and more on the Algerian and Portuguese coasts generally, 49° at Biarritz. Below 40° over Europe generally, below 30° over central England and France, and, lowest of all, (1) 9° to 16° over northern Russia and Sweden; (2) 14° at Brussels, 19° at Münster, 21° at Paris; (3) − 3° at Munich. Falling still lower over England later and touching 26° at Dungeness, 23° at Hurst Castle.

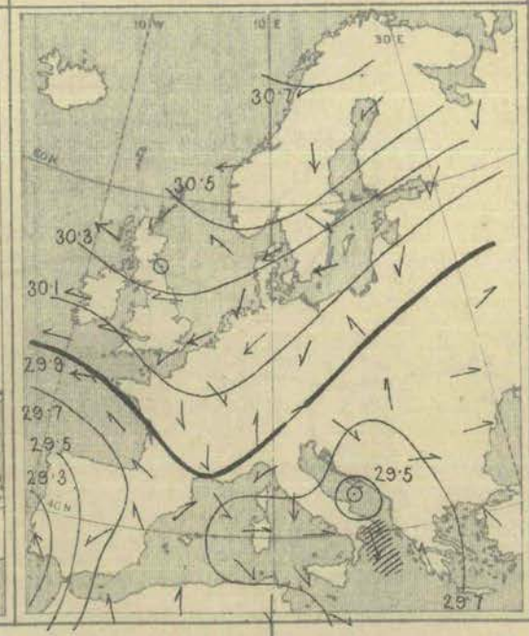
Wind Northerly, light, over the Gulf of Bothnia and Baltic, North-Easterly to Easterly over the North Sea, England, and Ireland (blowing hard at the mouth of the Channel), South-Easterly, moderate, in the north of Scotland; but Southerly and South-Westerly on the Spanish coasts and blowing a gale at Bilbao; North-Easterly over the north of Italy. Gale at Bilbao moderating later, little change elsewhere.

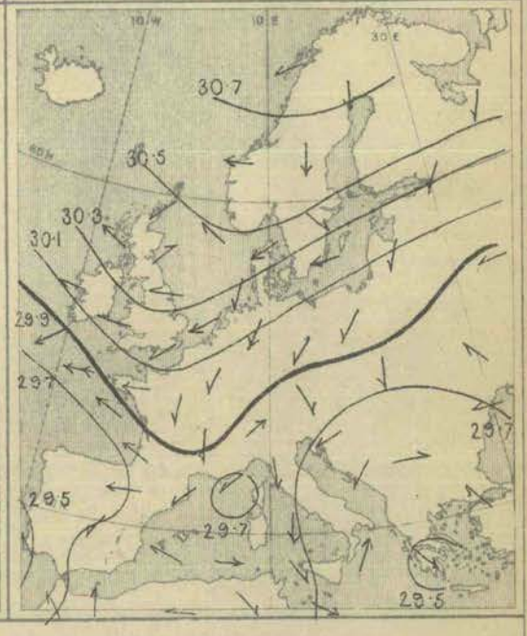
Barometer highest, (1) 30·6 ins. and more in the north-west of Norway, and exceeding 30·2 ins. all over Scandinavia, Denmark, and the greater part of Scotland; (2) 29·7 ins. and more over the south-east of Spain. Lowest, 29·5 ins. and less in a depression over the Bay of Biscay, and below 30·0 ins. over the Black Sea. Rising over our Islands and the North Sea later, falling over Portugal. New depression appearing near Lisbon.

Monday, 4th February.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine at some of our own western stations, as well as over the northern parts of Finland and Scandinavia, central and southern France, and northern Italy. Cloudy or overcast elsewhere, with rain in Greece, the south of Italy, and central Spain, and with snow in the eastern parts of Germany, as well as at Helsingfors and Moscow. Snow showers falling during day in the northern and eastern parts of Great Britain.

Temperature risen a little in most parts of our Islands, as well as over the Spanish Peninsula and the south of France, but fallen in most other localities. Morning readings highest, 62° at Lisbon, 58° at Malta, 57° at San Fernando, and 56° at Oran and Algiers. Lowest, − 7° Fahr. at Kuopio, − 1° at Uleaborg and St. Petersburg, + 3° at Haparanda, and 7° at Moscow; below 20° over central France and the western and southern parts of Germany, and below the freezing point over the whole of northern, eastern, and central Europe. Thermometer rising during day to between 35° and 40° in most parts of the United Kingdom, and reaching 42° at Scilly. Rising to 46° at Nice and 63° at Biarritz. Hard frost occurring over central England at night.

Wind North-Easterly over Finland, Scandinavia, Denmark, the Baltic, north Germany, the Netherlands, and the south-eastern parts of England. Strong in force in many places, with a gale at Faerder and Wisby. Strong from the Eastward on our western coasts, with a gale at the mouth of the Channel. South-Easterly in Spain and the west of France. Variable in Austria and the southern parts of Russia; Northerly or North-Westerly over Italy and the south of France. Subsequently increasing to a gale from the Eastward in the south of Ireland, no important change occurring elsewhere.

Barometer highest, 30·6 ins. to 30·7 ins. over the northern parts of Scandinavia. Lowest, 29·2 ins. and less in a depression off the Portuguese coasts, 29·5 ins. and less in another disturbance over the central parts of the Adriatic. Portuguese depression subsequently moving northwards, and barometer falling rather decidedly over the Bay of Biscay and our extreme south-west coasts.

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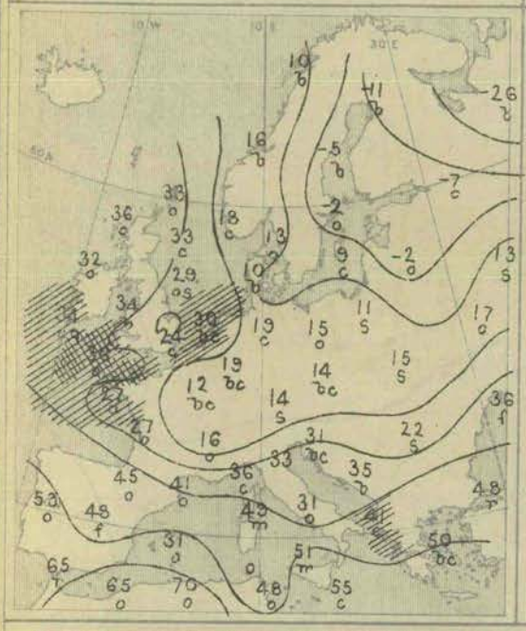
Tuesday, 5th February.

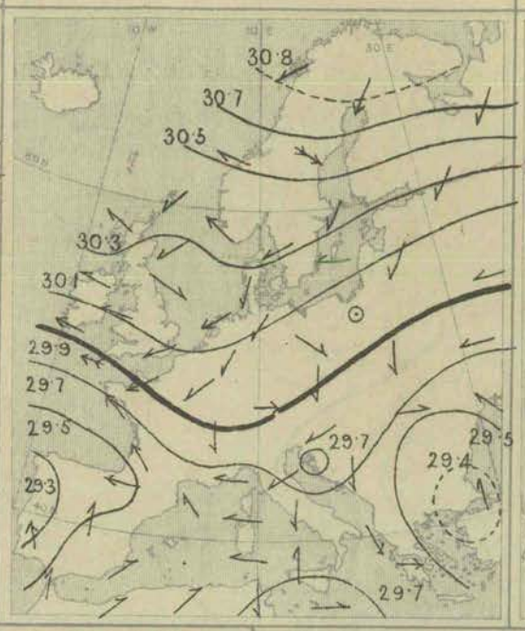
Temperature and Weather.

8 a.m.

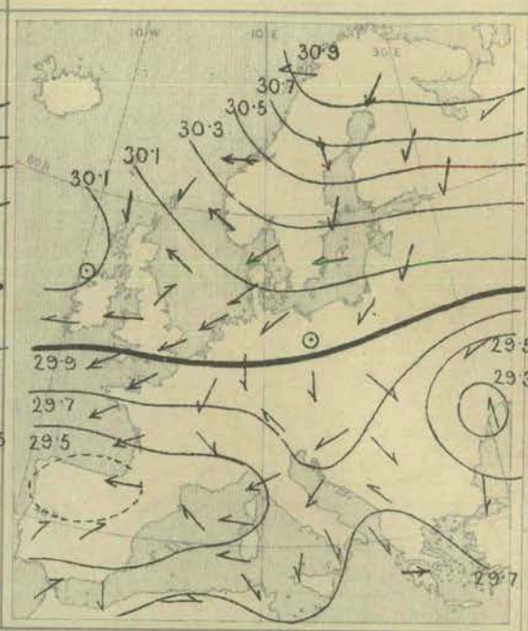


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fine and bright over northern Europe, as well as at several stations over the British Islands and on the shores of the Adriatic, cloudy and unsettled elsewhere, with snow at times at many of our own stations and over central Europe. Considerable snow in the north-east of Scotland later, and smaller quantities in several parts of Great Britain and the countries to the eastward of the North Sea; some rain at Biarritz.

Temperature falling very generally, except over Algeria and the Spanish Peninsula. Morning readings highest, 70° to 66° on the Algerian coast, 59° to 55° on the coast of Portugal, 51° at Palermo, 50° at Athens and Patras. Lowest, (1) – 26° Fahr. at Archangel, – 11° at Ulealborg, – 7° at St. Petersburg; (2) + 12° at Paris and Breslau, and below 20° over central Europe generally; (3) 16° to 19° over the inland counties of England, 25° at Parsonstown. Freezing over England all day, and frost becoming very severe at night.

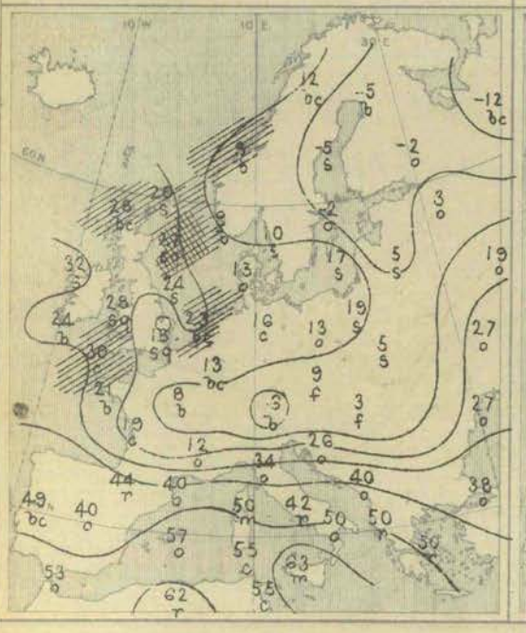
Wind North-Easterly to Easterly over the northern and north-western countries generally, and blowing very strongly in many places, notably over the English Channel and the south of Ireland, where a moderate to fresh gale was experienced; Northerly, light over central Europe, very variable over southern Europe and the Mediterranean, but Southerly to South-Westerly over the southern half of the Iberian Peninsula and over Algeria.

Barometer highest, 30·8 ins. and more over Lapland, and exceeding 30·3 ins. over nearly the whole of Scandinavia and northern Europe; (2) about 29·8 ins. over Tunis. Lowest, about 29·2 ins. in a depression off the Portuguese coast, and below 29·4 ins. in another over Turkey in Europe, and about 29·7 ins. in a small system at the northern extremity of the Adriatic. Depression near Portugal moving north-eastwards later, and new one beginning to appear over Scotland.

Wednesday, 6th February.

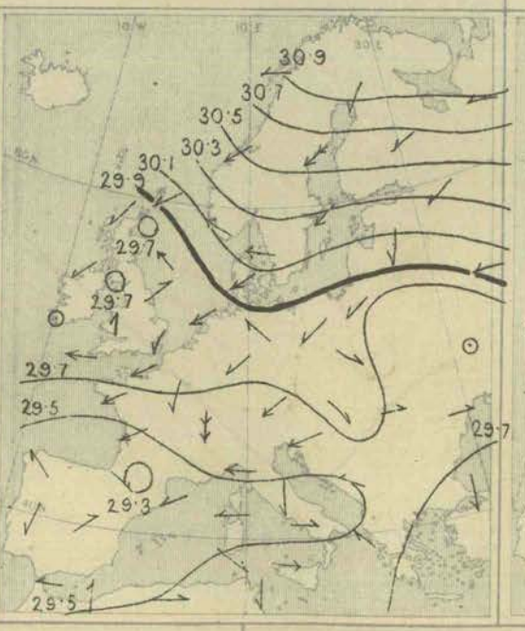
Temperature and Weather.

8 a.m.

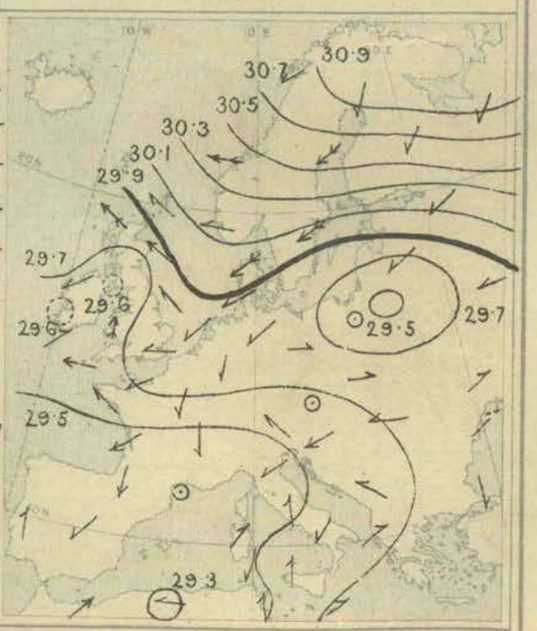


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Lapland and the extreme north of Russia, also over Norway, England, central France, and western Germany, very unsettled elsewhere, especially over Scotland and Ireland on the one hand and southern Russia on the other. Much snow in these latter regions during the day, smaller quantities over Germany, and heavy rain over the Mediterranean and south of France.

Temperature risen over Russia, fallen decidedly elsewhere, except in Ireland, where changes have been irregular. Morning readings highest, 63° at Palermo, 62° at Algiers, 61° at Nemours, 51° at Corunna, 48° at Biarritz. Hard frost prevailing over Europe and our Islands as a whole; lowest readings, (1) – 8° Fahr. at Ulealborg, – 5° at Hernösand, – 4° at Hangö, + 5° at Riga and Warwaw; (2) – 5° at Munich, + 1° at Breslau, 8° at Paris, 10° at Cape Gris Nez; (3) 8° at Cambridge, 11° at Oxford and Loughborough, 13° in London. Frost becoming still harder at night.

Wind North-Easterly to Easterly, strong to a gale, over Scandinavia and the Baltic, East-North-Easterly, moderate to strong, over the English Channel and Bay of Biscay. A complete cyclonic circulation of strong to moderate winds reported over the west and north of our Islands, another over the south-west of France, and a third, of moderate winds over the south of Russia.

Barometer highest, 30·9 ins. and more over Lapland and the White Sea, and exceeding 30·2 ins. over the whole of northern Europe; exceeding 29·8 ins. in another area over Asia Minor. Lowest, 29·3 ins. and less in two depressions, one over the south of Russia, the other over the south-west of France, and below 29·8 ins. in a shallow but complex system over Scotland and Ireland. Latter system moving south-westwards later, that over Russia moving north-westward to Germany.

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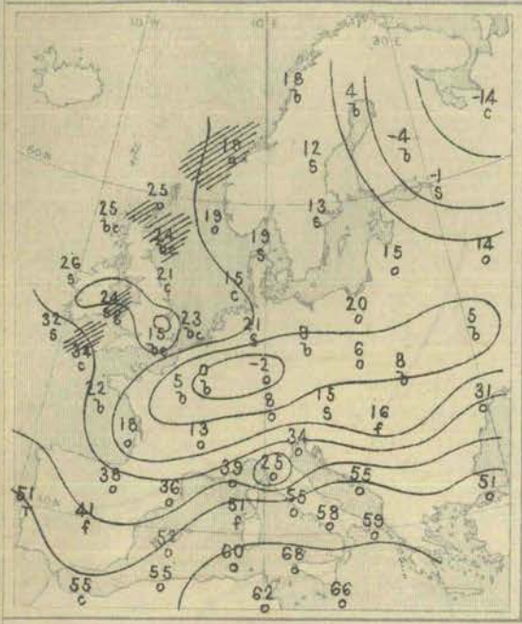
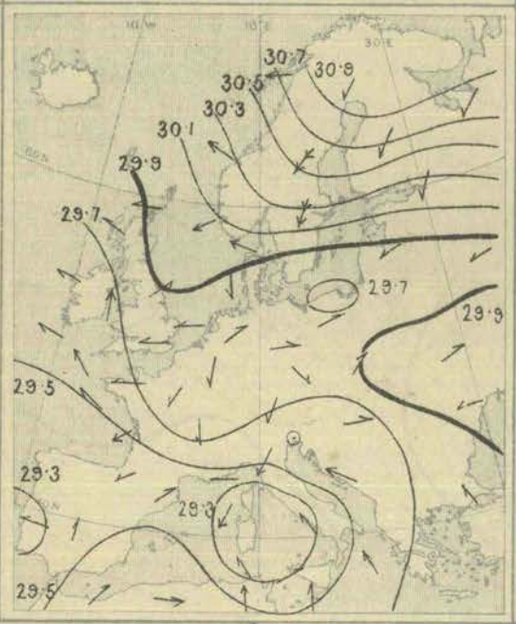
Thursday, 7th February.

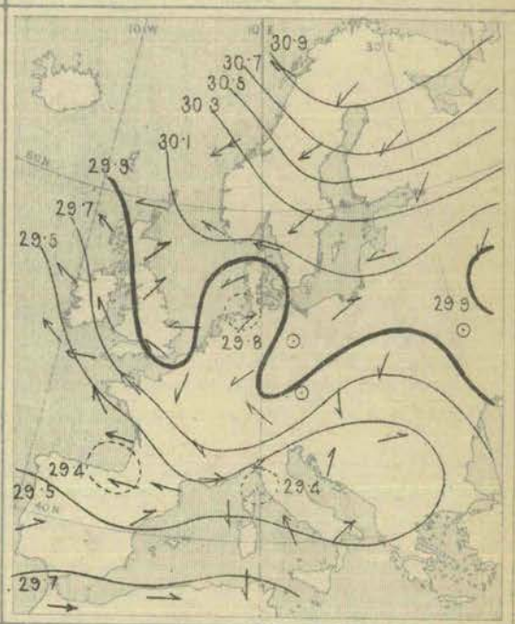
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over Great Britain, France, central and northern Europe, very unsettled over Ireland, Spain, and the Mediterranean. Snow falling over the Gulf of Bothnia, Sweden, and many parts of Ireland, rain at Lisbon; fog at Madrid and Barcelona. Heavy snow in various parts of Ireland and the west of Scotland later, and smaller quantities in the north of Scotland, lunar halos seen at several of our southern stations.

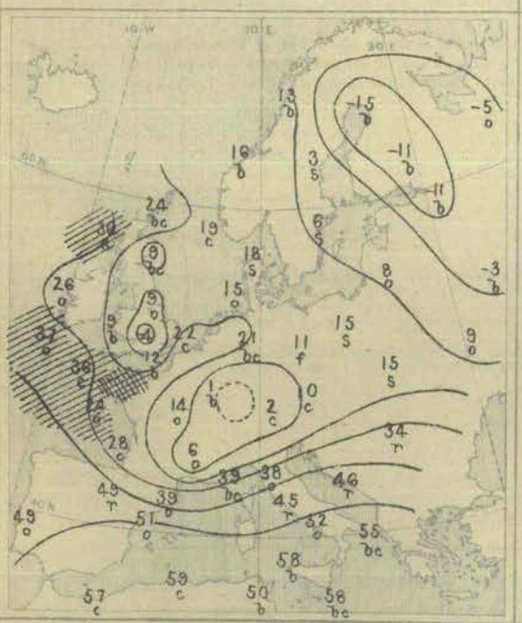
Temperature risen considerably in Scandinavia and the Baltic, fallen again over our Islands and central Europe. Morning readings highest, 60° at Cagliari, 66° at Malta, 68° at Palermo, 51° at Lisbon; 45° at Bilbao, 37° at Roche's Point. Lowest, (1) – 4° Fahr. at Prague, – 2° at Münster and Breslau, + 5° at Paris; (2) – 14° at Archangel, – 4° at Kuopio, – 1° at St. Petersburg; (3) 6° at Cambridge, 11° at Oxford and Parsonstown, 12° at Loughborough. Rising somewhat over central Ireland later, but frost becoming still more severe over England.

Wind blowing a gale from North-East over northern Europe; strong from between South-East and South on our western coasts, fresh from East over the Bay of Biscay. Very variable and light over central Europe and Russia; a well-marked cyclonic system of strong winds prevailing over the Mediterranean. The South-Easterly wind rising to a moderate gale over the Irish coasts and the Scilly Isles later.

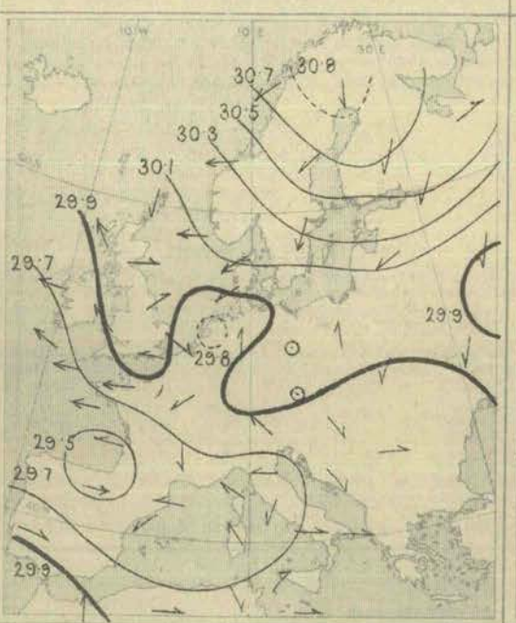
Barometer highest, 30·9 ins. and more to 30·3 ins. over northern Europe generally. Lowest, 29·2 ins. to 29·4 ins. over the Mediterranean, 29·3 ins. and less in a depression near Lisbon, 29·6 ins. and less over Ireland, and below 29·8 ins. in a complex depression over Denmark and north Germany. Spanish depression moving north-eastwards later, but Danish system moving south-westwards towards Holland. New disturbances over Atlantic affecting Ireland, but not encroaching much and apparently moving southwards.

Friday, 8th February.

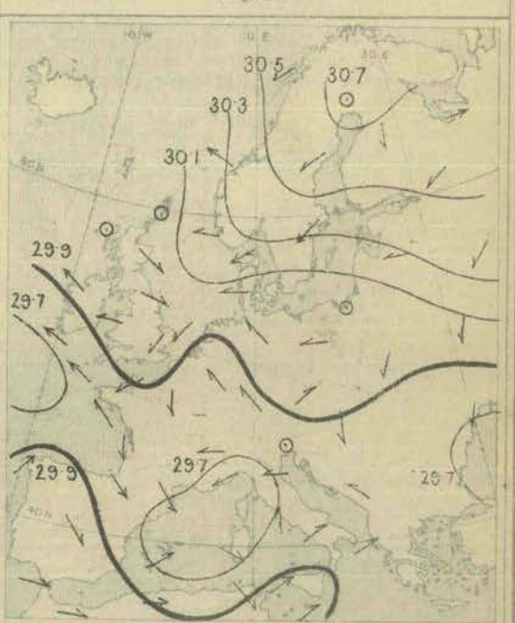
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over Norway and the North Sea and Great Britain, as well as over the south-eastern parts of the Mediterranean, dull in the extreme west and south-west, very unsettled over France, central and south-eastern Europe; snow falling in Sweden and Denmark, as well as at Lemberg, rain over south-eastern Europe. Some snow subsequently over Scotland, Scandinavia, and central Europe, and fog in various parts of England.

Temperature showing a further fall over Great Britain and northern Europe, but a slight rise over Ireland. Morning readings highest, between 59° and 50° on the southern shores of the Mediterranean; 49° at Lisbon and Biarritz, 46° at Leghorn, much lower over Europe generally. Lowest, (1) – 15° to – 3° over Finland and the north of Russia; (2) – 5° at Breslau, + 1° at Wiesbaden, 6° at Lyons; (3) – 4° at Loughborough, + 5° at York, 7° at Cambridge, 9° at Oxford. Slightly inclined to rise over western Europe later but hard frost still holding in most places.

Wind North-Easterly and strong over northern Europe; extremely variable over the central, south-eastern and southern countries, but cyclonic circulations prevailing over south-eastern Europe and the Bay of Biscay; South-Easterly wind strong to a gale in force prevailing at all our own western stations. No decided change later.

Barometer highest, (1) 30·8 ins. and more to 30·2 ins. over Scandinavia, Finland, and the north of Russia; (2) exceeding 29·9 ins. over Morocco and the south-west of Spain. Lowest, below 29·5 ins. in a depression over Hungary and in another over the south-eastern part of the Bay of Biscay, and below 29·9 in three other shallow systems—one over the south-eastern part of the Mediterranean, another over Russia, and a third over the Netherlands. The last named system filling up later and barometer rising over Spain, France and Great Britain, falling over northern Europe.

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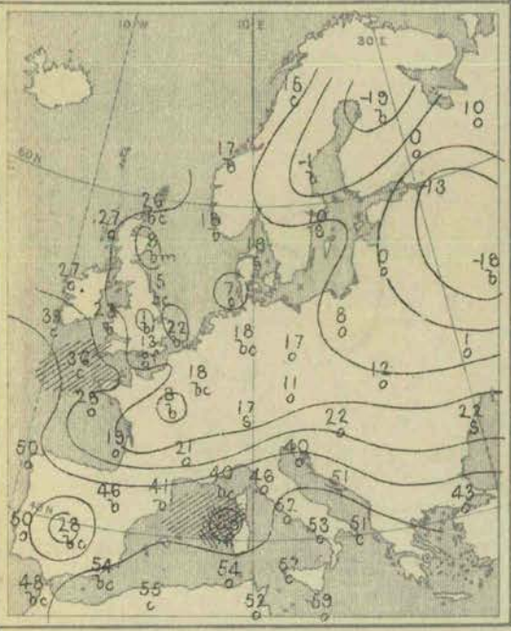
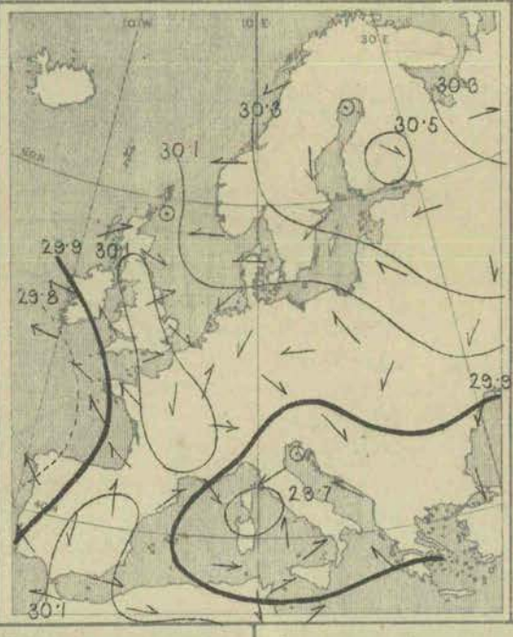
Saturday, 9th February.

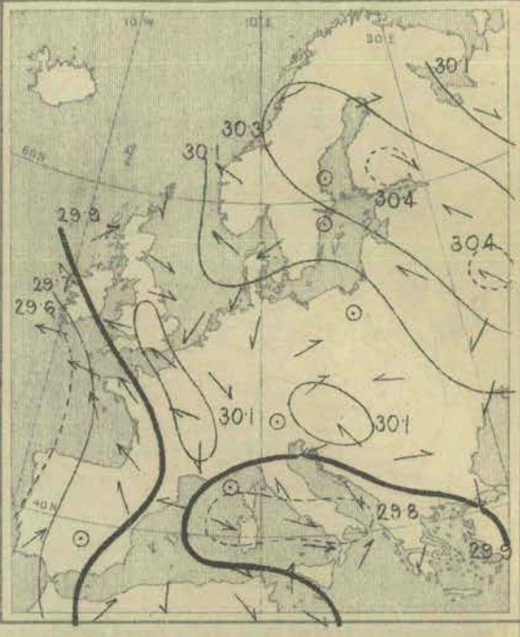
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



6 p.m.



Weather in morning fine over Russia and northern Europe generally, as well as over the east of Scotland and the major parts of England and France; cloudy and unsettled over Portugal, the Bay of Biscay, and south-west of Ireland, as well as over the northern parts of the Mediterranean and Italy. Considerable falls of snow in the south-west of our Islands later, and local showers at various of our north-western stations and at the Scaw; considerable rain at Lisbon and in the Azores.

Temperature scarcely so low over England and Ireland as of late, but lower over Scotland and also over the north of France. Morning readings highest, 59° at Malta, and above 50° over the southern half of Italy and on the Portuguese coast, 40° at Roche's Point; lowest, (1) – 18° Fahr. at Moscow, – 13° at St. Petersburg, – 7° at Haparanda; (2) 8° at Paris, 11° at The Hague, 14° at Wiesbaden, 17° at Berlin; (3) 1° at Loughborough, 10° at Oxford, 13° in London. Frost not giving during day over our Islands or France as a whole, but cold hardly so severe as of late.

Wind calm over the north of Russia and north-east of Scotland and greater part of England, North-Easterly to Easterly and moderate over Scandinavia, South-Easterly on our western coasts and blowing very strongly in the south of Ireland and south-west of England. South-Easterly, moderate, in the west of France and in Portugal. A well-marked cyclonic circulation of moderate winds prevailing over the north-eastern parts of the Mediterranean. South-Easterly winds increasing in force on our western coasts later, and blowing a strong gale in the south of Ireland and at Scilly.

Barometer highest, 30·4 ins. and more to 30·2 ins. over the whole of northern Europe, and exceeding 30·1 ins. in a secondary anticyclone over England and France. Lowest, below 29·8 ins. in a large depression lying to the south-westward of Valencia (Ireland), and below 29·7 ins. in another lying over Corsica and the north of Italy. Falling throughout western Europe later, as the Atlantic depression approached the Irish coast.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During this week barometric pressure was continuously high over the northern and low over the south-western and southern parts of Europe, and the gradients were well-marked and often steep over the northern countries and south-western parts of the British Islands. The dominant wind was, consequently, Easterly (North-East to South-East), and at times blew with the force of a strong gale on the western and southern coasts of the British Isles and on the coasts of Scandinavia. The cold has been intense in almost all districts, readings of several degrees below zero having occurred not only over northern and central Europe, but over the northern and midland parts of the British Islands also.

At the close of the week a large and apparently deep depression was approaching the south-west coast of Ireland from the Atlantic, but, although the thermometer showed some tendency to rise over the western countries, there was apparently no indication of any permanent change in the frosty condition referred to above.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 32.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	15·0	?	25	?	EASTBOURNE	22·6	?	35	?
OSWALDKIRK (Yorkshire)	23·1	?	37	?	MANCHESTER (Oldham Road	8·5*	?	13*	?
WORKSOP	21·6	+ 9·4	34	+15	TENBY	30·7*	?	48*	?
THURCASTON (Leicestershire)	30·3	+19·2	47	+30	NEWQUAY	21·5	?	33	?
MARGATE	18·6	?	29	?	TORQUAY	6·9*	?	10*	?
WESTBOURNE (Sussex)	28·8*	?	44*	?	ARLEY COTTAGE (County Cavan)	16·5	?	26	?
BRIGHTON	31·1	?	48	?	GUERNSEY	28·5*	?	44*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 7.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 16TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 38.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	46	4	35·5	22·0	28·8	10 below	0	− 5	92	+58	0	− 46	526	+296
	1. SCOTLAND, EAST	43	−17	33·0	13·1	23·1	15 below	0	− 9	132	+97	0	− 57	664	+395
	2. ENGLAND, N.E.	42	1	33·7	19·6	26·7	12 below	0	− 9	107	+77	0	− 56	550	+304
	3. ENGLAND, EAST	38	1	32·5	17·1	24·8	14 below	0	−13	120	+86	0	− 56	592	+309
	4. MIDLAND COUNTIES	43	− 2	32·3	14·1	23·3	16 below	0	−13	131	+100	0	− 70	649	+369
	5. ENGLAND, SOUTH	40	8	33·1	20·6	26·9	14 below	0	−15	106	+80	8	− 74	524	+311
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	44	1	33·3	18·0	25·7	14 below	0	− 9	114	+89	0	− 66	537	+341
	7. ENGLAND, N.W.	40	11	33·5	20·7	27·1	13 below	0	− 9	104	+78	0	− 59	504	+301
	8. ENGLAND, S.W.	42	3	35·0	22·7	28·9	13 below	0	−17	92	+72	13	− 94	458*	+306
	9. IRELAND, NORTH	42	7	35·5	23·9	29·7	11 below	0	−14	86	+63	0	− 97	442	+268
	10. IRELAND, SOUTH	46	8	38·1	29·1	33·6	10 below	0	−21	59	+42	2	−141	329	+195
	—CHANNEL ISLANDS	43	21	37·0	29·0	33·0	12 below	0	−22	63	+57	53	−101	261	+202

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 38.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	less than ½	11 less	29	− 7	4·3	− 4·8	36	+20	56	+32	93	+ 32	25	+ 8
	1. SCOTLAND, EAST	1	1	5 less	26	− 1	3·6	− 0·8	32	+17	50	+26	87	− 3	24	− 1
	2. ENGLAND, N.E.	1	less than ½	4 less	34	+ 9	5·0	+ 2·0	38	+24	58	+35	110	+ 36	26	+ 9
	3. ENGLAND, EAST	1	less than ½	4 less	29	+ 3	3·6	+ 0·5	29	+14	43	+20	108	+ 19	25	+ 4
	4. MIDLAND COUNTIES	0	—	5 less	22	− 4	3·5	− 0·3	33	+18	45	+23	120	+ 45	29	+ 11
	5. ENGLAND, SOUTH	0	—	5 less	23	− 3	3·0	− 1·1	26	+ 9	39	+14	119	+ 32	26	+ 7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	0	—	11 less	22	−10	2·6	− 6·4	20	+ 5	30	+ 9	110	+ 42	27	+ 10
	7. ENGLAND, N.W.	0	—	6 less	24	− 5	3·1	− 1·7	30	+20	45	+30	101	+ 50	29	+ 12
	8. ENGLAND, S.W.	0	—	8 less	25	− 5	4·6	− 1·7	21	+ 1	30	+ 3	131	+ 38	30	+ 9
	9. IRELAND, NORTH	0	—	7 less	27	− 6	4·0	− 1·3	23	+10	35	+16	108	+ 29	27	+ 7
	10. IRELAND, SOUTH	2	4	4 less	28	− 3	5·8	− 0·6	22	+ 5	33	+ 7	107	+ 11	26	+ 3
	—CHANNEL ISLANDS	1	2	5 less	32	− 1	4·8	− 0·5	23	+10	34	+16	142	+ 58	40	+ 13

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued extremely cold and wintry during this week in all parts of our Islands. A little snow was experienced in some of the northern and western districts, but the conditions generally were very dry and bright.

Temperature was again much below the mean, the deficit varying from 10° to 11° in Ireland, from 10° to 15° in Scotland, and from 12° to 16° in England. The highest of the maxima were registered towards the end of the period, when they ranged from 38° in England E. and 40° in England S. and N.W., to 46° both in Scotland N. and Ireland S. These readings were chiefly at coast stations, those inland being considerably lower. The absolute minima were again exceedingly low, and were recorded during the earlier part of the period. In Scotland E. (at Braemar on the 11th) the sheltered thermometer fell to − 17°, in the Midland Counties (at Stamford on the 10th) to − 2°, in England N.E. and E. and in Scotland W. to + 1°, in England S.W. to 3°, and in Scotland N. to 4°. Elsewhere the minima ranged from 7° in Ireland N. to 11° in England N.W. and to 21° in the Channel Islands. The general tendency of the temperature was to rise slowly towards the end of the period.

Rainfall was much less than the mean. Over the greater part of the Kingdom there was no precipitation whatever.

Bright Sunshine was again very prevalent and largely exceeded the mean in nearly all districts. The percentage of the possible duration ranged from 58 in England N.E., 56 in Scotland N., and 50 in Scotland E., to 33 in Ireland S., and to 30 in Scotland W. and England S.W. The highest percentages recorded at any individual stations were 59 per cent. at Durham and Oswaldkirk, 58 per cent. at Fort William, Braemar, and Stonyhurst, and 55 per cent. at Stornoway, Fort Augustus, and York.

Barometer and Wind.—The distribution of pressure over our Islands continued mainly anticyclonic, but the extreme south-western parts of the Kingdom were influenced at times by depressions which moved south-eastwards off our south-western coasts. The winds were again chiefly Easterly in direction, and light to moderate in force, but they increased occasionally in the west and south, reaching a gale on the 10th and again on the 14th.

637 1|90 W. & S., Ltd.
213 70 2|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 37 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	45	24	35·9	27·0	31·5	− 7·1	0	74	1	0·01	−0·80	*	*	*	*
	Stornoway	46	16	40·7	33·6	37·2	− 2·0	0	34	1	0·11	−0·89	34·7	+19·9	55	+32
	Wick	42	7	36·7	18·9	27·8	−10·2	0	99	2	0·13	−0·39	*	*	*	*
	Glencarron	38	9	32·4	15·9	24·2	−13·3	0	125	0	—	−1·70	*	*	*	*
	Fort Augustus ℛ S	41	4	33·9	16·7	25·3	−13·4	0	117	0	—	−0·94	35·2	?	55	?
	Fort William ℛ S	42	11	33·6	20·0	26·8	−12·4	0	106	1	0·01	−1·99	36·9	?	58	?
1. SCOTLAND, E.	Nairn	37	3	34·4	8·3	21·4	−17·1	0	144	0	—	−0·38	*	*	*	*
	Aberdeen	37	7	33·0	14·3	23·7	−14·8	0	128	3	0·12	−0·46	33·8	+16·8	53	+26
	Braemar ℛ S	32	−17	27·8	1·8	14·8	−20·4	0	190	1	0·02	−0·73	37·2†	?†	58†	?†
	Ochtertyre S	43	7	35·4	16·3	25·9	−11·3	0	113	0	—	−0·94	*	*	*	*
	Leith S	43	12	35·9	17·4	26·7	−13·3	0	107	0	—	−0·37	*	*	*	*
	Marchmont S	35	11	31·3	20·7	26·0	−11·8	0	112	2	0·21	−0·37	31·5	?	48	?
2. ENGLAND, N.E.	Alnwick Castle	37	7	31·7	18·0	24·8	−13·7	0	120	2	0·05	−0·47	*	*	*	*
	Durham	37	1	32·9	16·5	24·7	−13·4	0	121	1	0·02	−0·38	39·1	+24·3	59	+36
	Shields	42	8	34·9	18·9	26·9	−12·8	0	106	1	0·01	−0·37	*	*	*	*
	Scarborough ℛ	37	19	35·0	23·8	29·4	−10·3	0	88	2	0·05	−0·40	*	*	*	*
	York	38	6	33·6	15·6	24·6	−14·6	0	122	1	0·01	−0·42	36·1	+23·6	55	+35
	Spurn Head	37	21	34·1	25·3	29·7	− 9·3	0	86	1	0·03	−0·31	*	*	*	*
3. ENGLAND, E.	Hillington ℛ	35	5	32·3	15·9	24·1	−14·7	0	125	0	—	−0·45	33·0	+17·0	49	+25
	Yarmouth	34	17	31·9	23·9	27·9	−10·7	0	99	3	0·13	−0·34	*	*	*	*
	Geldeston	38	1	33·2	17·3	25·3	−14·0	0	117	1	0·02	−0·36	26·6	+ 9·6	39	+14
	Cambridge	37	7	34·0	13·9	24·0	−15·2	0	126	0	—	−0·38	30·1	+14·1	44	+21
	Rothamsted	36	6	31·1	14·6	22·9	−15·6	0	134	0	—	−0·52	25·9	?	38	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	43	8	35·0	13·4	24·2	−15·1	0	125	0	—	−0·40	*	*	*	*
	Loughborough	39	− 1	33·9	6·9	20·0	−19·7	0	154	0	—	−0·46	*	*	*	*
	Stamford (Ketton Hall)	39	− 2	33·7	10·3	22·0	−17·9	0	140	0	—	−0·42	*	*	*	*
	Cheadle ℛ	35	15	30·7	19·3	25·0	−12·8	0	119	0	—	−0·62	*	*	*	*
	Solihull	35	11	31·3	16·9	24·1	−14·9	0	125	0	—	?				
	Churchstoke ℛ	38	7	30·7	14·5	22·6	−16·4	0	136	0	—	−0·62	31·1	+16·4	47	+24
	Hereford ℛ	37	3	32·7	13·7	23·2	−17·0	0	132	0	—	−0·52	*	*	*	*
	Cirencester	34	6	30·9	16·4	23·7	−15·2	0	128	0	—	−0·65	34·2	+16·4	50	+25
	Oxford	37	10	32·7	16·7	24·7	−15·4	0	121	0	—	−0·48	20·0	+ 4·8	29	+ 7
5. ENGLAND, S.	London	36	13	32·0	18·3	25·2	−15·1	0	118	1	0·01	−0·42	14·5†	+ 4·4†	21†	+ 7†
	North Foreland	34	19	31·9	23·0	27·5	−12·8	0	102	0	—	?	*	*	*	*
	Strathfield Turgiss ℛ	38	8	34·0	14·6	24·3	−15·6	0	124	0	—	−0·48	*	*	*	*
	Dungeness	36	14	32·9	21·6	27·3	−12·8	0	103	0	—	−0·45	*	*	*	*
	Hastings (St. Leonards)	37	21	32·5	23·5	28·0	−12·7	0	98	0	—	−0·46	29·1	+ 9·0	43	+15
	Southampton	40	16	35·4	21·3	28·4	−12·7	0	95	0	—	−0·56	30·4	+13·7	45	+21
	Hurst Castle	38	19	34·4	23·4	28·9	−12·3	0	92	0	—	−0·58	*	*	*	*
	Stowell ℛ	35	13	31·8	19·0	25·4	−14·0	0	116	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	42	17	34·0	22·2	28·1	−12·3	0	97	2	0·13	−1·71	*	*	*	*
	Glasgow	38	7	31·7	16·9	24·3	−14·9	0	124	0	—	−0·85	4·1	− 7·9	6	−11
	Ardrossan	39	15	34·9	19·6	27·3	−13·2	0	103	0	—	−0·79	*	*	*	*
	Glenlee S	39	1	30·6	8·1	19·1	−19·2	0	160	0	—	−1·25	*	*	*	*
	Douglas (Isle of Man)	44	11	36·0	23·2	29·6	−11·3	0	87	0	—	−0·88	35·4	+18·4	54	+29
7. ENGLAND, N.W.	Stonyhurst	35	14	31·2	20·0	25·6	−13·5	0	115	0	—	−0·85	38·4	+23·9	58	+36
	Blackpool ℛ	38	11	34·2	16·7	25·5	−14·2	0	117	0	—	−0·58	31·8	+16·7	48	+26
	Manchester (Prestwich)	35	12	33·3	18·0	25·7	−13·2	0	114	0	—	−0·53	21·0	?	32	?
	Liverpool Obsy. (Bidston)	37	17	32·6	21·3	27·0	−13·4	0	105	0	—	−0·42	*	*	*	*
	Llandudno ℛ	39	20	34·4	23·6	29·0	−13·0	0	91	0	—	−0·54	35·6	+19·5	53	+29
	Holyhead	40	23	35·4	24·4	29·9	−12·1	0	85	0	—	−0·65	*	*	*	*
8. ENGLAND, S.W.	Llandovery	42	3	34·3	14·9	24·6	−16·9	0	122	0	—	−1·14	*	*	*	*
	Pembroke	40	24	35·7	25·9	30·8	−11·7	0	78	0	—	−0·70	25·2	+ 5·4	37	+10
	Bristol (Montpelier)	38	11	33·4	17·7	25·6	−14·6	0	115	0	—	−0·67	*	*	*	*
	Arlington (N. Devon)	36	17	32·0	21·4	26·7	−13·4	0	107	0	—	−1·02	*	*	*	*
	Cullompton ℛ	38	11	34·4	19·7	27·1	−13·7	0	104	0	—	−0·74	23·0	+ 7·0	34	+11
	Falmouth	40	26	36·6	29·4	33·0	−11·1	0	63	1	0·02	−1·00	16·8	− 3·2	24	− 3
	Plymouth	41	21	37·8	26·5	32·2	−10·7	0	69	0	—	−0·75	14·9	− 3·9	22	− 5
	Prawle Point	41	21	35·7	25·9	30·8	−11·6	0	78	0	—	−0·52	*	*	*	*
9. IRELAND, N.	Malin Head	40	23	35·7	28·0	31·9	−10·4	0	71	0	—	?	*	*	*	*
	Londonderry	42	16	36·6	23·4	30·0	−12·0	0	84	0	—	−0·72	*	*	*	*
	Edenfel (Omagh)	34	7	32·9	18·1	25·5	−14·3	0	116	0	—	−0·61	*	*	*	*
	Belmullet	41	26	36·3	28·1	32·2	−10·0	0	69	3	0·04	?	*	*	*	*
	Markree Castle	40	15	35·2	24·4	29·8	−10·8	0	85	0	—	−0·70	22·4	+ 7·3	34	+12
	Brookeborough	41	10	36·7	21·2	29·0	−10·8	0	91	0	—	−0·78	*	*	*	*
	Armagh	39	12	35·5	23·1	29·3	−10·8	0	89	0	—	−0·58	27·4	+12·3	42	+20
	Donaghadee	40	19	36·7	26·4	31·6	− 9·4	0	73	0	—	−0·60	*	*	*	*
	Edgeworthstown	38	14	34·1	22·0	28·1	−11·7	0	97	0	—	−0·70	*	*	*	*
10. IRELAND, S.	Dublin	40	21	36·4	28·4	32·4	−10·1	0	67	0	—	−0·52	25·8	+ 8·8	39	+14
	Parsonstown	40	8	36·4	22·4	29·4	−11·8	0	88	0	—	−0·56	24·6	+ 7·6	37	+12
	Kilkenny	39	11	35·6	25·3	30·5	−11·7	0	81	1	0·08	−0·60	*	*	*	*
	Roche's Point	44	31	40·1	33·9	37·0	− 7·0	0	35	2	0·80	−0·32	*	*	*	*
	Valencia	46	31	41·4	34·6	38·0	− 7·0	0	28	3	0·74	−0·51	15·0	− 3·0	22	− 5
	Killarney	43	27	38·7	31·6	35·2	− 9·2	0	48	3	0·38	?	*	*	*	*
	Foynes	40	17	37·8	27·7	32·8	−10·4	0	64	2	0·94	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	43	31	39·7	33·3	36·5	− 9·5	0	39	1	0·18	−0·52	11·9	?	17	?
	Jersey	39	21	34·3	24·6	29·5	−13·5	0	88	1	0·15	−0·49	32·3	+10·3	47	+16

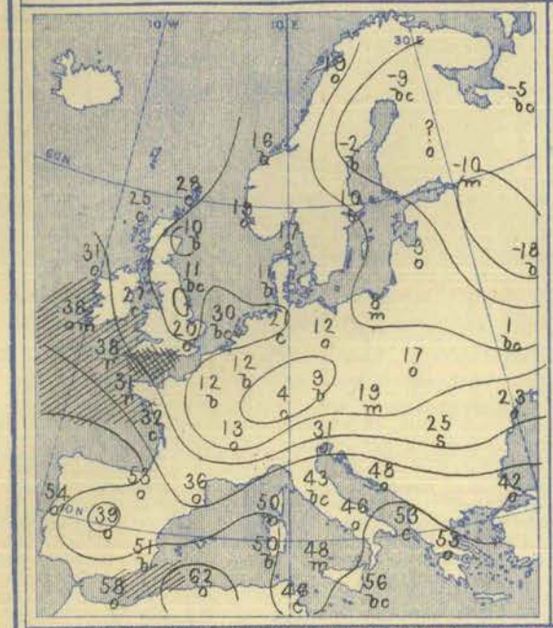
Stations marked ℛ are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

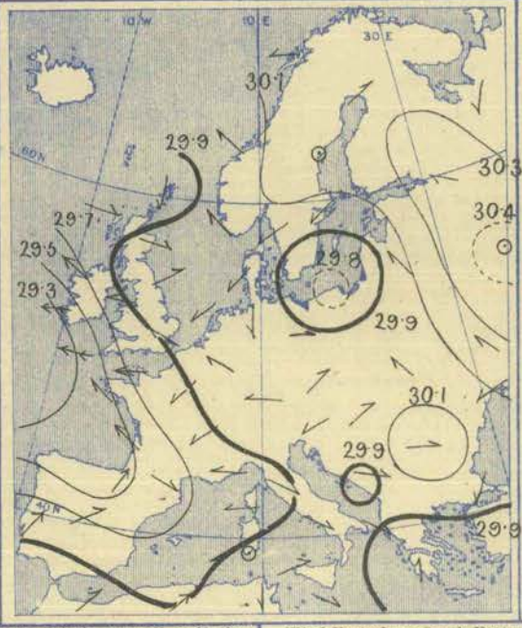
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 10th February.

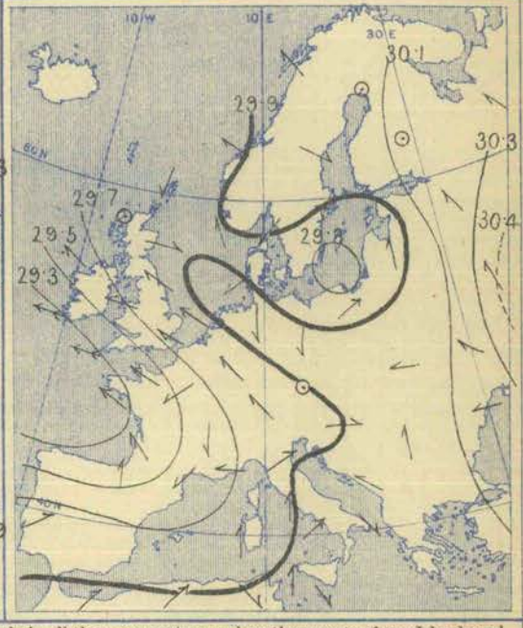
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather fine in the northern, eastern, and central parts of Great Britain, as well as in the Netherlands, the north-east of France, the north of Sweden, and central Russia. Cloudy or overcast elsewhere, with rain and sleet in the extreme south-west of our Islands, and with snow at several of the Baltic stations, as well as at Hermanstadt. Considerable quantities of snow falling later in the south of Ireland and of rain in the west of France; slight snow falling at many of the German stations.

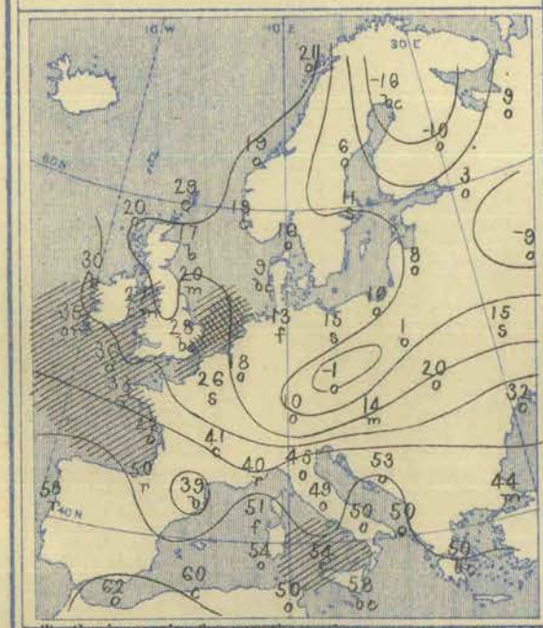
Temperature risen at many of our own western and southern stations, as well as in France and Spain; fallen in most other localities. Morning readings highest, 62° at Algiers, 58° at Nemours and Oran, and 56° at Malta. Lowest, – 18° Fahr. at Moscow, – 10° at St. Petersburg, and – 9° at Haparanda; very little above zero over central England, and below 10° in several of the more northern parts of Great Britain, as well as in south Germany and the east of France. Daily maxima below the freezing point at most of the English and Scotch stations, and below 40° even on our extreme south-west coasts. Thermometer exceeding 50° in most parts of southern Europe and reaching 66° at Palermo.

Wind Easterly or South-Easterly in all the more western and southern parts of our Islands and also in the west of France, with a gale on our extreme south-west coasts; moderate to strong from the South-Westward in Spain and the south-west of France. Light from the Westward in the north and north-east of Great Britain. Easterly in Norway, North-Easterly or Northerly in Denmark and the south of Sweden. Variable in Germany and Austria; light from the Westward or North-Westward in Italy. No important change occurring during day.

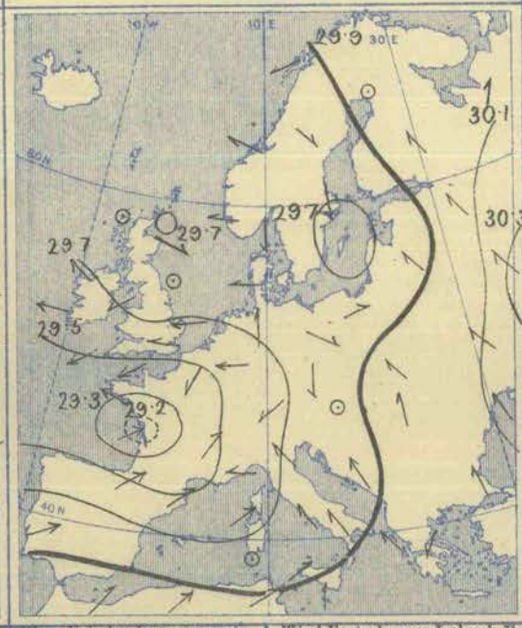
Barometer highest, 30·4 ins. and upwards in an anticyclone over central Russia; 30·2 ins. and upwards in another system over Austria. Lowest, 29·3 ins. and less in a deep depression lying off our extreme south-west coasts; 29·8 ins. and less in a shallow disturbance over the southern part of the Baltic. No important change occurring during day, but depression to the south-westward of our Islands beginning to move slowly southwards.

Monday, 11th February.

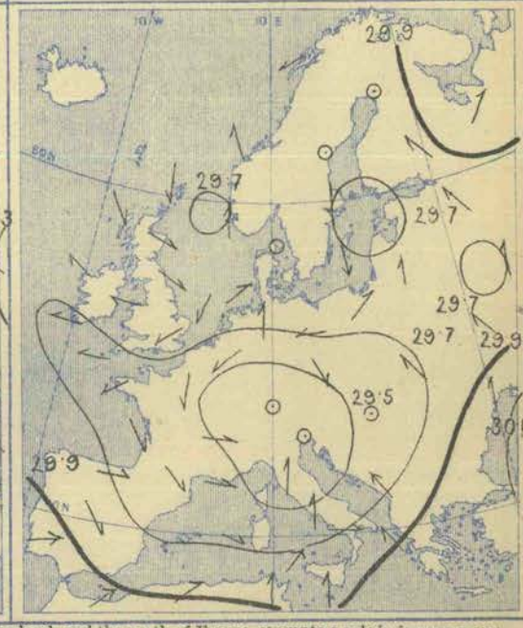
Temperature and Weather. 8 a.m..



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the northern parts of the United Kingdom, but cloudy or overcast at the southern stations and over the Continent generally. Snow falling at Roche's Point, as well as at Paris, Berlin, and many of the Baltic stations; rain over the central and southern parts of France and also at Lisbon. Weather improving later in the south of our Islands, but snow falling at some of our northern and north-eastern, as well as at many of the Continental stations. Heavy rain reported at Biarritz, Lisbon, Algiers, and Trieste, and smaller amounts in Italy.

Temperature risen generally, but fallen in Ireland and the north of Scotland, as well as in Denmark, Poland, and Austria. Morning readings highest, 62° at Nemours, 60° at Algiers, 59° at Oran, and 58° at Lisbon and Malta, above 50° at most of the Mediterranean stations. Lowest, – 16° Fahr. at Haparanda, – 10° at Kuopio, and – 9° at Moscow; below zero in some parts of south Germany, and below 20° over northern, eastern, and central Europe generally, as well as in the northern parts of Great Britain. Daily maxima over Great Britain ranging a degree or two on either side of 32°; thermometer exceeding 50° in most parts of southern Europe and reaching 68° at Palermo.

Wind Easterly over Ireland, England, and the north of France, strong to a gale in force on many parts of our western and southern coasts. Moderate to strong from the South-Westward over the Spanish Peninsula and the southern parts of France; light from the South-Eastward in Italy. Westerly or North-Westerly in Scotland, but Easterly in the west of Norway. Variable in Denmark; chiefly Northerly in Germany, variable in Austria, South-Easterly in Russia. Wind moderating later on our western and southern coasts; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards in a large anticyclone over central Russia. Lowest, 29·2 ins and less in a well-marked depression over the west of France; 29·7 ins. and less in a large shallow disturbance over the Baltic and also in a small system off the north-east of Scotland. Depressions over France subsequently moving eastwards and partially filling up, barometer rising in most parts of western Europe.

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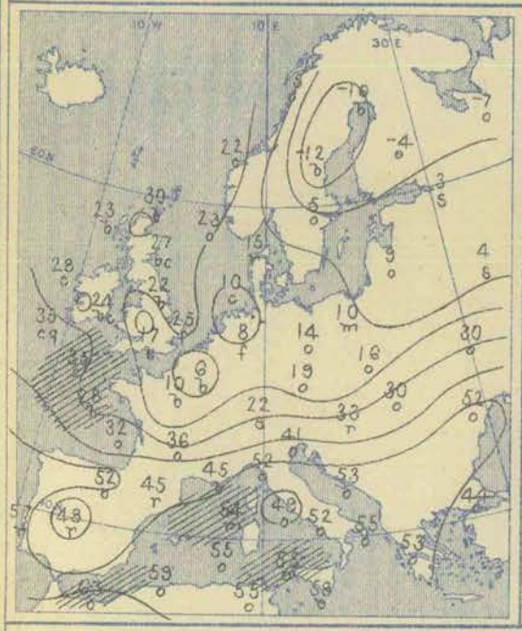
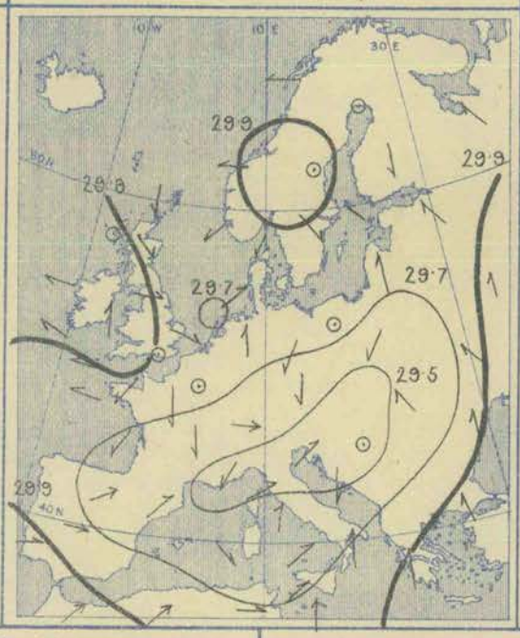
Tuesday, 12th February.

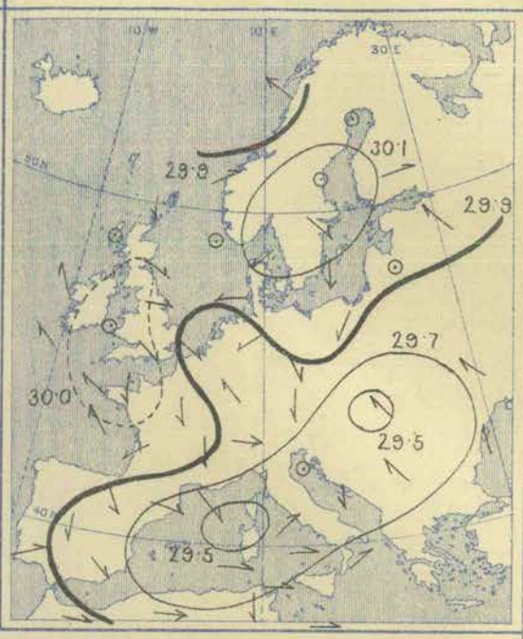
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of western Europe, but with fog or mist at several of the English stations. Dull in most of the eastern, central, and southern countries, with rain at Perpignan, Madrid, and Lisbon, and with snow at Munich and Vienna. Snow falling later on the east coast of England, and in many parts of the Continent, heavily at some of the Austrian stations.

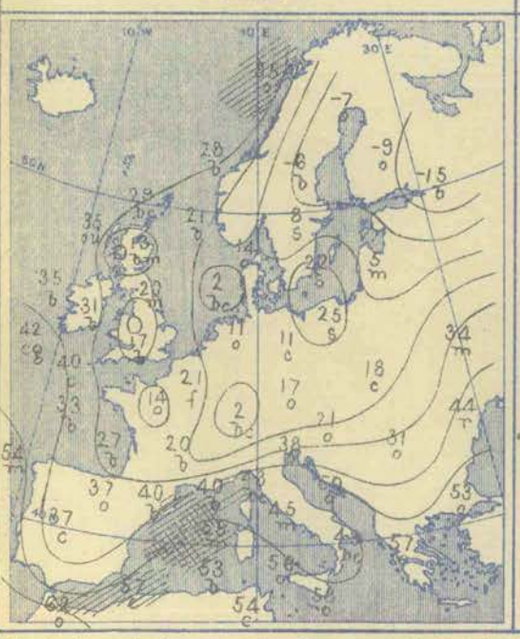
Temperature risen over the northern parts of Great Britain, as well as in Poland, Austria, Italy, the south of France, and the central and southern parts of Russia, fallen elsewhere. Morning readings highest, 63° at Nemours and Oran, and 59° at Algiers and Malta, above 50° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest, – 16° at Haparanda, – 12° at Hernösand, – 9° at Helsingfors, and – 7° at Archangel; below 10° at some of the Belgian, Danish, and north German stations, and also over central England. Rising during day to 36° or a little above it in many parts of Great Britain, exceeding 40° on our south-west coasts and also in the Hebrides. Hard frost again occurring over Great Britain at night.

Wind light from the North-Westward over the eastern and south-eastern parts of Great Britain, moderate from the North-Eastward in the west and north of France, and from the Eastward over the south-western parts of our Islands. Variable over Scandinavia, Denmark, and northern Russia; light from the Northward in Germany: Southerly over Russia and Italy. Moderate to fresh from the Westward over Spain and the extreme south of France. No important change occurring during day.

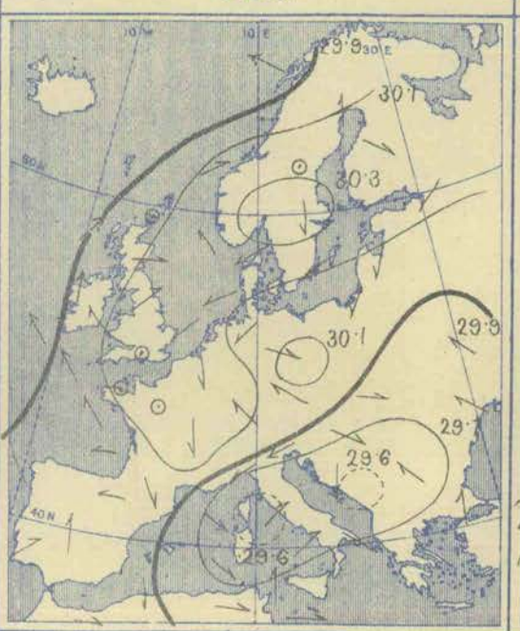
Barometer highest, 30·1 ins. and upwards over the south of Russia; 29·9 ins. and upwards in three areas, one lying over Scandinavia, another over the greater part of the United Kingdom, and the third over Algeria and the south of Spain. Lowest, 29·5 ins. and less in a depression over Austria, northern Italy, and the south-east of France. Rise taking place during day in nearly all parts of western Europe, but barometer inclined to fall on our extreme north-west coasts. Depression over southern Europe inclined to fill up.

Wednesday, 13th February.

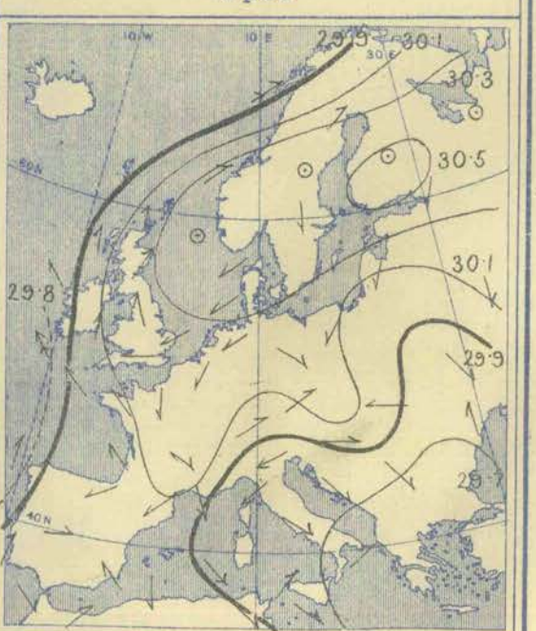
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western Europe generally, but cloudy in Ireland and the west of Scotland, and foggy over central England and the Netherlands. Dull in most of the eastern, central, and southern countries, with snow in the south of Sweden, and with rain or snow over northern Italy and the south of Russia. A considerable quantity of rain falling later at Valencia (Ireland), and snow or sleet at some of our northern and eastern stations.

Temperature risen briskly in the western parts of the United Kingdom, as well as over the Baltic, the Netherlands, and the north-east of France; fallen in most other localities. Morning readings highest, 62° at Nemours, 58° at Oran and Malta, and 57° at Lisbon, Algiers, and Athens. Lowest, (1) – 15° Fahr. at St. Petersburg and – 9° at Knopio and Karlstad; (2) 2° at Fanö and Munich; (3) 4° at Loughborough and 10° at Nairn; below the freezing point over the whole of Great Britain and the northern, eastern, and central parts of the Continent. Daily maxima below 32° at some of our south-eastern stations, but thermometer exceeding 40° on many parts of our west and south-west coasts, and reaching 46° at Valencia (Ireland).

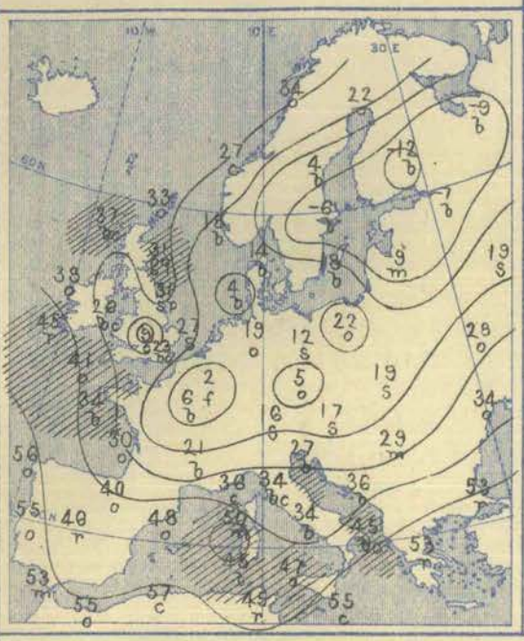
Wind moderate to fresh from the Southward or South-Eastward in the west and extreme north of our Islands, but calm or variable over our eastern and south-eastern districts. Southerly in Spain and Easterly in the west of France. Variable over the northern parts of Russia and Scandinavia; light from the North-Eastward over Denmark, the Netherlands, and the south of Scandinavia. Cyclonic circulation of light winds reported over Italy. Subsequently increasing in force from the South-Eastward on our extreme south-west coasts, and blowing a gale at Valencia (Ireland).

Barometer highest, 30·3 ins. and upwards in the south of Scandinavia; 30·1 ins. and upwards in an anticyclone covering the whole of northern Russia and Scandinavia, and extending south-westwards across the North Sea and England to the central parts of France. Lowest, 29·6 ins. and less in two depressions, one lying off the north-west of Italy and the other over Dalmatia and the neighbouring provinces, 29·9 ins. and less in the west of Ireland. Scandinavian high-pressure system subsequently increasing in height, but depression approaching our Islands from the westward.

Thursday, 14th February.

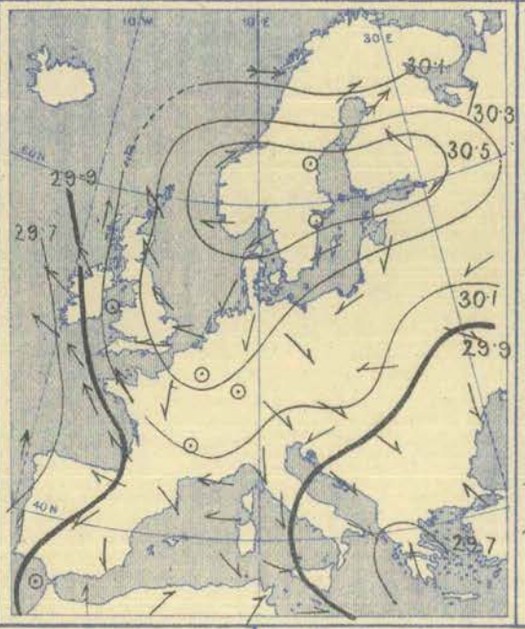
Temperature and Weather.

8 a.m.

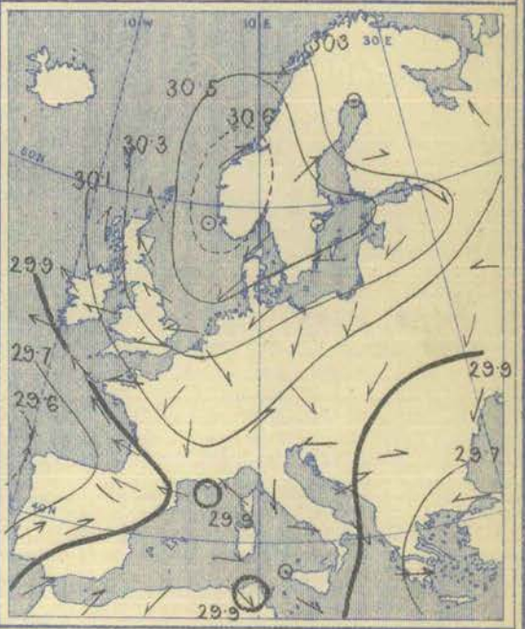


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in all the more central and north-western parts of our Islands, but dull in the north-east, east, and south-west, rain falling in the south of Ireland, and snow in the east of England. Fine in Scandinavia, Denmark, and northern Russia, as well as in Italy and the central parts of France; cloudy in all the other Continental stations, with rain at Madrid and with snow at some of the German and Austrian stations. Sleet falling later in the south of Ireland and snow showers falling in the east of England; solar halo seen at Jersey.

Temperature risen in most parts of north-western and northern Europe, quickly in Scotland, but fallen elsewhere. Morning readings highest, 57° at Algiers, 56° at Corunna, and 55° at Lisbon, Oran, and Malta. Lowest, −12° Fahr. at Kuopio, −9° at Archangel, Helsingfors, and Riga, and −8° at Hangö, very little above zero over Belgium and the north-east of France, and below 10° in some parts of central England. Daily maxima below the freezing point in many parts of Great Britain, and as low as 27° at Dungeness, thermometer exceeding 45° in the south of France and reaching 52° at Biarritz and 57° at Lisbon.

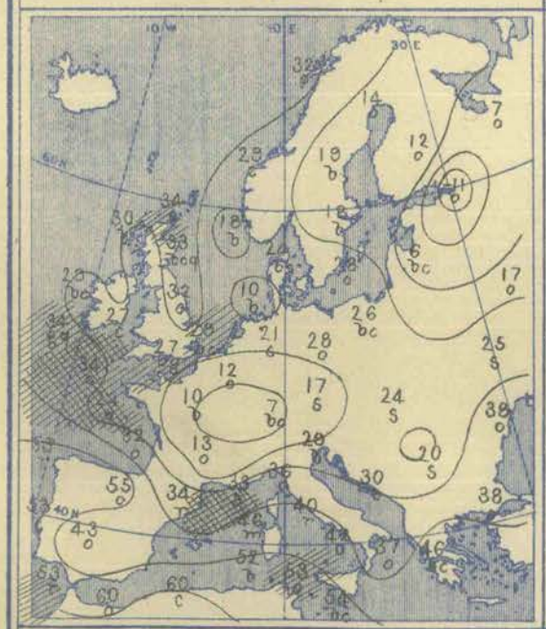
Wind strong to a gale from the South-Eastward on our western coasts, and from South in the north of Scotland, light to moderate from the Eastward or South-Eastward over the eastern and central parts of England and the west of France, Southerly on the west coasts of the Spanish Peninsula. South-Westerly or Westerly in the north of Scandinavia with a gale at Bodö; North-Easterly over Denmark and the Baltic; rather variable, but chiefly North-Westerly in Germany, Austria, and Italy. Subsequently freshening from the Eastward over France and the south-east of England; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards over the southern parts of Finland and Scandinavia, 30·3 ins. and upwards in an anticyclone covering the whole of northern Europe and extending westwards over the North Sea and the eastern parts of Great Britain. Lowest, 29·7 ins. and less in a large depression lying to the south-westward of our Islands, and also in another disturbance over Greece. Depression in south-west subsequently moving southwards, and barometer rising decidedly on our western coasts.

Friday, 15th February.

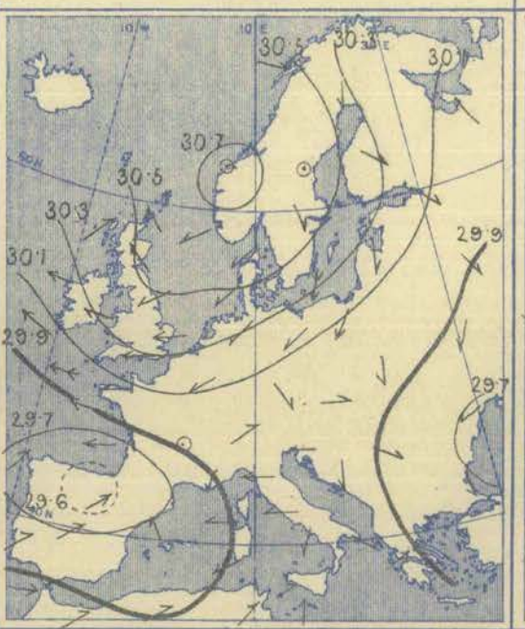
Temperature and Weather.

8 a.m.

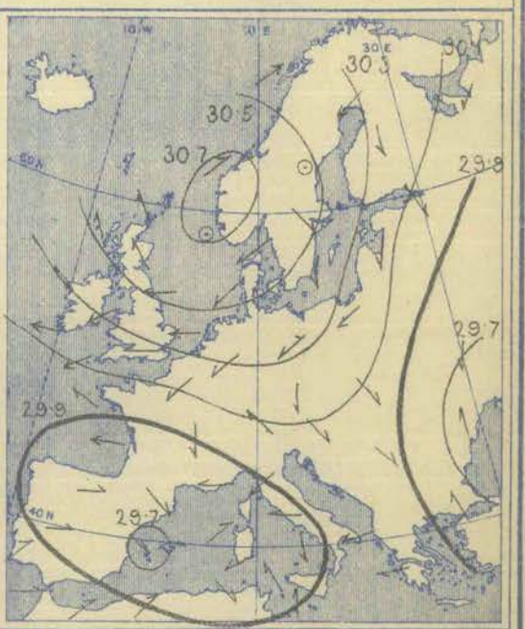


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine in the northern parts of our Islands, as well as over Scandinavia, Denmark, the Baltic, and the north of France. Cloudy or overcast elsewhere, with rain in the extreme south of France and at Corunna, San Fernandö, and Rome, and with snow at Nice, as well as in Austria and south Germany. Snow showers falling later in the south of England, and considerable falls of snow or rain in the south of France and north of Italy, and of snow over Hungary and the south of Russia.

Temperature fallen in the west and south of our Islands, as well as in Spain, risen in most other localities, briskly in Finland and Sweden. Morning readings highest, 60° at Oran and Algiers, 58° at Sfax, 55° at Biarritz. Lowest, −11° Fahr. at St. Petersburg, +6° at Riga, 7° at Archangel and Munich, and 10° at Paris, below the freezing point over the greater part of the United Kingdom. Daily maxima at or below the freezing point over the central, southern, and eastern parts of England, but thermometer exceeding 35° at many of our western and northern stations, and reaching 42° at Stornoway, 59° at Biarritz, 70° at Palermo, and rather higher over Algeria.

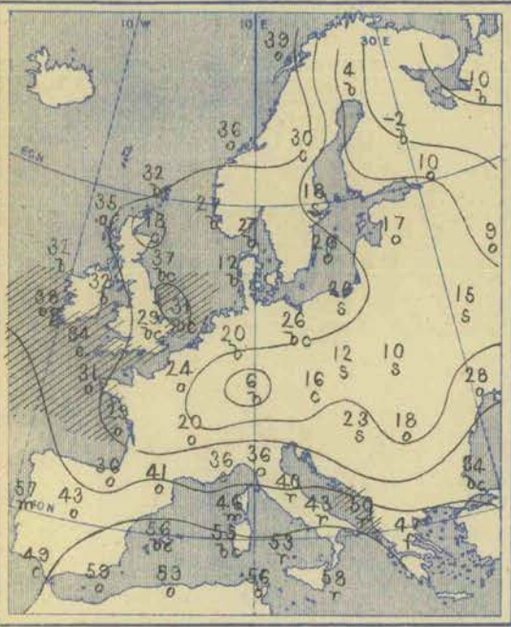
Wind North-Easterly over Denmark, north Germany, the Netherlands, and the north-east of France; Easterly over England and the west of France, with a gale at the mouth of the Channel; strong to a gale from South-East in Ireland, moderate from the Southward in the north of Scotland. Moderate to strong from the South-Westward over the Spanish Peninsula and the south-west of France, Westerly in France and also over southern Italy. Subsequently increasing to a moderate to fresh gale from the Eastward over the south-east of England and English Channel.

Barometer highest, 30·71 ins. at Christiansund; 30·4 ins. and upwards in an anticyclone covering the whole of Scandinavia, Denmark, the North Sea, and the northern parts of Great Britain. Lowest, 29·6 ins. and less in a depression over the south-west of France and the southern parts of the Bay of Biscay; 29·7 ins. and less in another depression over the Black Sea. Depression over the south-west of France subsequently moving south-eastwards, barometer rising quickly in its immediate neighbourhood, that over the Black Sea moving northwards to Russia and growing deeper.

Saturday, 16th February.

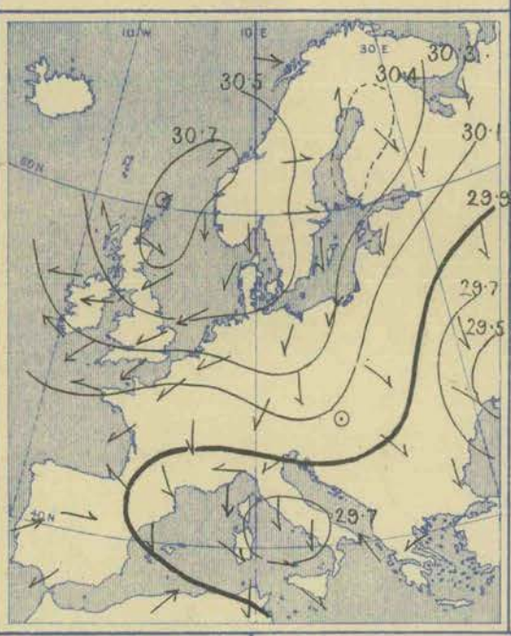
Temperature and Weather.

8 a.m.

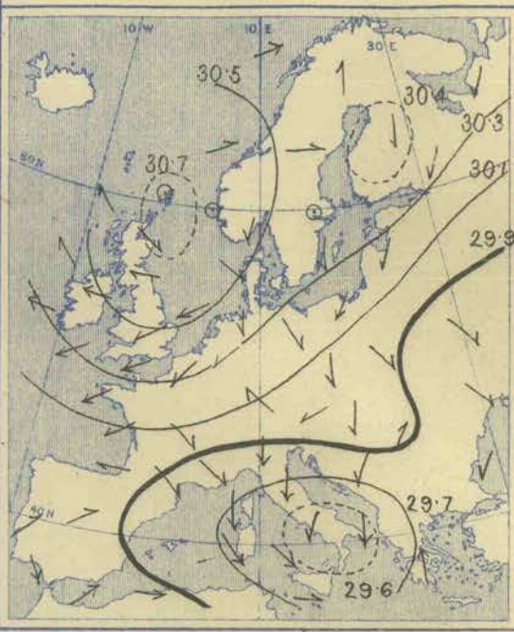


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the British Islands, the North Sea, the northern parts of France, and western Germany, as well as over Finland; dull over Norway, Russia, eastern Germany, and south-eastern and southern Europe generally, with snow over Austria-Hungary and rain generally over the south of Italy, Sicily, and Malta. Rain later over the Spanish Peninsula and south of France, slight snow in Sweden, weather fine and very bright over the British Islands.

Temperature in morning highest, 59° at Algiers, 58° at Malta, 57° at Lisbon, 43° at Naples, 40° at Marseilles, 39° at Bodö, 38° at Valencia, 34° at Scilly. Lowest, (1) − 12° at Archangel, − 2° at Kuopio, + 9° at Moscow, 18° at Stockholm; (2) 6° at Munich, 10° at Lemberg, 12° at Cracow; (3) 12° at Nairn, 18° at Aberdeen, and 24° to 29° over the inland parts of England and Ireland. Rising later to above the freezing point in all parts of our Islands, and exceeding 40° at many Scotch and Irish stations. Succeeding night very cold again over our north-eastern and eastern districts.

Wind moderate from North over Germany, from North-East and East over France, very strong to moderate from Eastward over England and the Channel, from about East-South-East over Ireland, and from South-East in the Hebrides. A well-marked cyclonic circulation of moderate winds prevalent over Italy and the Mediterranean. The Easterly wind becoming more moderate over the Channel and England later, no decided change elsewhere.

Barometer highest, 30·7 ins. and more to 30·6 ins. over the north-eastern parts of Great Britain and the south-western half of Norway, and exceeding 30·3 ins. over the north-western countries generally. Lowest, 29·5 ins. and less in a depression over the south of Russia, and below 29·7 ins. in another over the eastern parts of the Mediterranean and Italy. Rising slightly over our Islands later, falling over Scandinavia, but no decided change occurring.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of this week pressure has been, on the whole, highest over the northern countries of Europe, lowest over the Mediterranean and Atlantic, but some small disturbances appeared over the Baltic and North Sea on the 10th and 11th. Two well-marked depressions arrived off the west of Ireland during this period, but instead of travelling north-eastwards up our western coasts, took a south-easterly course on reaching Ireland, and passed across the Bay of Biscay and France to Switzerland, filling up gradually as they did so. The result was, that after a temporary thaw at most of the Irish and English stations, with strong South-Easterly winds and gales, there was on each occasion a speedy return of the Easterly and North-Easterly winds with hard frost.

At the close of the week the anticyclone was moving out westwards over our northern countries, the North-Easterly wind was becoming less strong, and the frost less severe than it had been for some weeks previously. The night readings, however, were still very low, though the days were milder.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 38.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	25·6	?	39	?	EASTBOURNE	27·5	?	40	?
OSWALDKIRK (Yorkshire)	38·7	?	59	?	MANCHESTER (Oldham Road	23·8*	?	36*	?
WORKSOP	31·7	+17·7	47	+26	TENBY	28·8*	?	42*	?
THURCASTON (Leicestershire)	36·2	+23·3	54	+35	NEWQUAY	21·0	?	30	?
MARGATE	18·2	?	27	?	TORQUAY	24·0*	?	35*	?
WESTBOURNE (Sussex)	36·4*	?	54*	?	ARLEY COTTAGE (County Cavan)	19·4	?	29	?
BRIGHTON	26·	?	40	?	GUERNSEY	25·7*	?	37*	

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith., 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 8.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 23RD, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90 RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 44.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	° 48	° 8	° 40·5	° 25·0	° 32·8	6 below	Day-deg. 0	Day-deg. − 5	Day-deg. 64	Day-deg. +30	Day-deg. 0	Day-deg. − 51	Day-deg. 590	Day-deg. +322
	1. SCOTLAND, EAST	49	−9	38·7	20·8	29·8	8 below	0	−10	85	+51	0	− 67	749	+446
	2. ENGLAND, N.E.	45	18	40·0	30·6	35·3	4 below	0	−11	47	+18	0	− 67	597	+322
	3. ENGLAND, EAST	48	12	40·3	28·3	34·3	5 below	0	−12	54	+21	0	− 68	646	+330
	4. MIDLAND COUNTIES	47	10	38·8	25·5	32·2	7 below	0	−14	69	+39	0	− 84	718	+408
	5. ENGLAND, SOUTH	49	12	39·4	27·2	32·3	8 below	0	−16	61	+36	8	− 90	585	+347
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	47	9	39·8	24·6	32·2	8 below	0	−13	69	+44	0	− 76	606	+385
	7. ENGLAND, N.W.	44	19	38·2	27·2	32·7	8 below	0	−10	65	+40	0	− 69	569	+341
	8. ENGLAND, S.W.	49	14	39·8	27·1	33·2	9 below	0	−18	62	+42	13	−112	520	+348
	9. IRELAND, NORTH	48	11	40·9	26·5	33·8	7 below	0	−15	57	+34	0	−112	499	+302
	10. IRELAND, SOUTH	48	19	41·5	29·4	35·5	8 below	0	−22	46	+29	2	−163	375	+224
	—CHANNEL ISLANDS	44	28	40·2	33·6	37·0	8 below	0	−22	35	+29	53	−123	296	+231

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 44.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH		10ths of in.	10ths of ins.			Ins.	Ins.								
		3	4	7 less	32	− 9	4·7	− 5·5	27	+ 2	34	+ 4	119	+ 34	26	+ 8
	1. SCOTLAND EAST	1	2	4 less	27	− 3	3·8	− 1·2	22	− 1	32	− 1	109	− 4	24	− 1
	2. ENGLAND, N.E.	2	1	3 less	36	+ 8	5·1	+ 1·7	20	+ 3	28	+ 4	130	+ 39	26	+ 8
	3. ENGLAND, EAST	3	less than ½	4 less	32	+ 3	3·6	0·0	15	− 2	22	− 3	123	+ 16	25	+ 3
	4. MIDLAND COUNTIES	1	less than ½	5 less	23	− 6	3·5	− 0·8	8	− 9	11	−13	128	+ 36	26	+ 7
	5. ENGLAND, SOUTH	0	—	5 less	23	− 5	3·0	− 1·6	15	− 5	22	− 5	134	+ 27	25	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	2	1 less	24	−12	2·8	− 7·2	13	− 4	19	− 4	123	+ 39	26	+ 8
	7. ENGLAND, N.W.	1	1	5 less	25	− 7	3·2	− 2·1	6	− 9	9	−12	107	+ 41	27	+ 9
	8. ENGLAND, S.W.	0	—	8 less	25	− 8	4·6	− 2·5	25	+ 5	34	+ 7	156	+ 43	31	+ 9
	9. IRELAND, NORTH	2	1	6 less	29	− 8	4·1	− 1·8	24	+ 6	34	+ 9	132	+ 35	28	+ 8
	10. IRELAND, SOUTH	1	less than ½	8 less	29	− 6	5·8	− 1·3	30	+11	43	+16	137	+ 22	28	+ 4
	—CHANNEL ISLANDS	0	—	6 less	32	− 5	4·8	− 1·1	28	+ 7	39	+12	170	+ 65	41	+ 13

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week was fair generally, and at first very cold, but, during the latter part, the conditions became less wintry than of late; in many parts of Great Britain the frost gave way rather decidedly, but, in the west the change was less pronounced.

Temperature, as a whole, was below the mean, the deficit ranging from 4° in England N.E. and 5° in England E. to 8° in most other districts and to 9° in England S.W. The highest of the maxima were recorded on the 23rd, when the thermometer rose to 49° in Scotland E. and England S. and S.W., and to between 44° and 48° elsewhere. The absolute minima, which were registered during the earlier days of the period, though very low, were less low than those recorded during the two weeks immediately preceding. In Scotland E. (at Braemar on the 17th) the sheltered thermometer fell to − 9°, and at Nairn (in the same district) to + 2°; elsewhere the minimum readings ranged from 8° in Scotland N. and 9 in Scotland W. to 18° in England N.E., to 19° in England N.W. and Ireland S., and to 28° in the Channel Islands. Towards the end of the week the nightly minima were above 32° in many parts of Great Britain, but were several degrees below over central Ireland.

Rainfall (partly rain and partly melted snow) was very slight, and much less than the mean in all districts.

Bright Sunshine exceeded the mean in Ireland, the south-west of England, and the Channel Islands, as well as in Scotland N. and England N.E. but showed a deficit in all other districts. The percentage of the possible duration ranged from 43 in Ireland S., to 34 in Scotland N., England S.W. and Ireland N., to 11 in the Midland Counties, and to 9 in England N.W.

Barometer and Wind.—During the whole of this period the distribution of pressure continued anticyclonic, the central area gradually moving westwards from Great Britain to the western parts of our Islands. The winds were light or moderate in force, and blew generally from the North-Westward in the north, and from the Northward and North-Eastward in the south.

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II.—DATA from which the SUMMARY on page 43 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	22	42·0	31·3	36·7	- 1·7	0	37	3	0·13	-0·65	*	*	*	*
	Stornoway	48	21	44·2	28·3	36·3	- 2·7	6	50	4	0·50	-0·45	18·9	+ 1·9	28	+ 4
	Wick	44	12	38·9	23·9	31·9	- 6·3	0	71	3	0·29	-0·23	*	*	*	*
	Glencarron	44	13	38·1	23·7	30·9	- 6·5	0	78	4	0·99	-0·53	*	*	*	*
	Fort Augustus ℛ	48	8	39·3	18·9	29·1	- 9·4	0	90	1	0·09	-0·79	20·5	?	30	?
	Fort William ℛ	45	14	39·5	23·7	31·6	- 7·8	0	73	2	0·22	-1·66	30·4	?	45	?
1. SCOTLAND, E.	Nairn	43	2	38·1	15·7	26·9	-11·7	0	106	1	0·20	-0·18	*	*	*	*
	Aberdeen	42	12	37·7	23·3	30·5	- 8·3	0	81	2	0·44	-0·16	18·2	- 0·6	27	- 1
	Braemar ℛ	40	- 9	32·9	9·2	21·1	-14·3	0	146	1	0·02	-0·70	27·2†	?†	40†	?†
	Ochtertyre ℛ	49	10	43·4	23·4	33·4	- 4·3	4	66	1	0·09	-0·78	*	*	*	*
	Leith ℛ	49	18	41·7	25·1	33·4	- 6·8	0	60	1	0·01	-0·34	*	*	*	*
	Marchmont ℛ	?46	17	?38·6	28·3	?33·5	?- 4·3	0	?60	2	0·25	- 0·33	22·3	?	32	?
2. ENGLAND, N.E.	Alnwick Castle	43	19	39·0	30·1	34·6	- 4·1	0	52	3	0·28	-0·24	*	*	*	*
	Durham	44	18	39·3	29·9	34·6	- 3·9	0	52	4	0·07	-0·33	18·7	+ 1·7	27	+ 2
	Shields	45	22	41·0	30·3	35·7	- 4·1	0	44	1	0·02	-0·38	*	*	*	*
	Scarborough ℳ	45	30	40·6	33·1	36·9	- 2·9	0	36	2	0·21	-0·21	*	*	*	*
	York	45	23	40·9	28·0	34·5	- 5·0	0	53	1	0·06	-0·36	19·7	+ 4·7	29	+ 7
	Spurn Head	41	31	38·9	32·1	35·5	- 3·7	0	46	3	0·10	-0·22	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	45	18	40·1	29·2	34·7	- 4·5	0	51	4	0·04	-0·41	17·2	- 0·3	25	- 1
	Yarmouth	42	27	38·9	31·1	35·0	- 3·8	0	49	5	0·10	-0·37	*	*	*	*
	Geldeston	46	17	41·7	28·2	35·0	- 4·8	0	49	4	0·04	-0·36	17·4	- 1·6	25	- 2
	Cambridge	48	14	41·9	26·7	34·3	- 5·6	0	54	3	0·03	-0·33	12·5	- 5·3	18	- 7
	Rothamsted	44	12	38·8	26·1	32·5	- 6·5	0	67	1	0·01	-0·48	14·1	?	20	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	45	22	40·1	29·0	34·6	- 5·3	0	52	4	0·08	-0·32	*	*	*	*
	Loughborough	45	12	40·9	21·4	32·7	- 7·2	0	65	0	—	-0·40	*	*	*	*
	Stamford (Ketton Hall)	47	19	40·9	22·9	31·9	- 8·4	0	71	0	—	-0·40	*	*	*	*
	Cheadle ℳ	40	22	37·5	26·9	32·2	- 6·1	0	69	0	—	-0·67	*	*	*	*
	Solihull	41	17	37·7	26·3	32·0	- 6·2	0	70	2	0·03	?	*			
	Churchstoke ℳ	44	16	37·0	24·0	30·5	- 9·7	0	81	0	—	-0·60	6·5	-10·4	9	16
	Hereford ℳ	43	14	38·4	24·3	31·4	- 9·4	0	74	0	—	-0·59	*	*	*	*
	Cirencester	42	20	37·4	26·0	31·7	- 7·3	0	72	0	—	-0·60	12·1	- 3·7	17	-10
	Oxford	43	18	39·7	26·1	32·9	- 7·3	0	64	1	0·01	-0·40	6·2	-11·1	9	-15
5. ENGLAND, S.	London	45	17	40·6	27·6	34·1	- 6·8	0	55	0	—	-0·40	3·4†	- 8·4†	5†	-11†
	North Foreland	42	25	38·0	29·9	34·0	- 6·5	0	56	0	—	?	*	*	*	*
	Strathfield Turgiss ℳ	48	12	40·6	23·0	31·8	- 8·4	0	71	0	—	-0·48	*	*	*	*
	Dungeness	44	20	38·9	26·9	32·9	- 7·6	0	64	0	—	-0·41	*	*	*	*
	Hastings (St. Leonards)	42	23	38·7	29·1	33·9	- 7·1	0	57	2	0·14	-0·31	17·6	- 5·0	25	- 5
	Southampton	49	20	41·9	28·3	35·1	- 6·7	0	48	0	—	-0·59	18·7	- 0·3	26	0
	Hurst Castle	45	23	38·9	28·4	33·7	- 7·8	0	58	0	—	-0·51	*	*	*	*
	Stowell ℳ	43	18	37·3	24·6	31·0	- 8·8	0	77	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	45	17	40·9	23·6	32·3	- 8·1	0	68	3	0·36	-1·41	*	*	*	*
	Glasgow	45	20	38·5	26·6	32·6	- 7·0	0	66	1	0·11	-0·67	9·0	- 4·7	13	- 6
	Ardrossan	48	19	42·1	26·1	34·1	- 6·6	0	56	2	0·08	-0·62	*	*	*	*
	Glenlee ℛ	45	9	38·1	19·2	28·7	- 9·8	0	93	1	0·12	-0·56	*	*	*	*
	Douglas (Isle of Man)	45	18	39·4	27·3	33·4	- 7·6	0	60	1	0·14	-0·64	17·3	- 2·2	25	- 2
7. ENGLAND, N.W.	Stonyhurst	40	23	37·8	27·8	32·8	- 6·7	0	64	0	—	-0·86	10·9	- 5·8	16	- 8
	Blackpool ℳ	41	?19	38·0	24·7	31·4	- 8·6	0	74	1	0·14	-0·59	7·4	- 9·6	11	-13
	Manchester (Prestwich)	42	19	38·1	25·7	31·9	- 7·3	0	71	1	0·11	-0·41	4·0	?	6	?
	Liverpool Obsy. (Bidston)	42	25	37·0	27·1	32·1	- 8·7	0	69	1	0·02	-0·38	*	*	*	*
	Llandudno ℳ	43	23	38·8	28·6	33·7	- 8·3	0	58	0	—	-0·51	6·3	-11·0	10	-15
	Holyhead	44	26	39·4	29·1	34·3	- 7·8	0	54	1	0·03	-0·58	*	*	*	*
8. ENGLAND, S.W.	Llandovery	43	14	40·0	19·4	29·7	-12·1	0	86	1	0·01	-0·98	*	*	*	*
	Pembroke	44	26	40·1	28·1	34·1	- 8·4	0	55	1	0·02	-0·66	30·0	+ 8·8	42	+13
	Bristol (Montpelier)	44	20	38·4	25·5	32·0	- 8·9	0	70	0	—	-0·64	*	*	*	*
	Arlington (N. Devon)	41	21	36·4	24·9	30·7	- 9·5	0	79	0	—	-1·02	*	*	*	*
	Cullompton ℳ	49	21	38·9	25·6	32·3	- 8·7	0	68	0	—	-0·72	24·4	+ 6·1	34	+ 8
	Falmouth	44	29	40·2	31·4	35·8	- 8·3	0	43	0	—	-0·94	19·8	- 2·7	27	- 2
	Plymouth	46	27	39·9	30·5	35·2	- 8·0	0	48	0	—	-0·70	28·1	+ 6·6	39	+ 9
	Prawle Point	48	30	39·9	31·6	35·8	- 6·9	0	43	0	—	-0·48	*	*	*	*
9. IRELAND, N.	Malin Head	45	26	41·4	32·1	36·8	- 5·9	0	36	2	0·10	?	*	*	*	*
	Londonderry	47	20	42·4	26·6	34·5	- 7·0	0	53	2	0·13	-0·52	*	*	*	*
	Edenfel (Omagh)	45	11	39·0	23·3	31·2	- 9·0	0	76	2	0·07	-0·51	*	*	*	*
	Belmullet	47	25	43·1	29·1	36·1	- 6·4	3	46	1	0·04	?	*	*	*	*
	Markree Castle	48	15	41·5	23·6	32·6	- 8·3	0	66	1	0·07	-0·61	31·7	+15·5	46	+23
	Brookeborough	48	17	40·5	23·2	31·9	- 8·1	0	71	2	0·06	-0·64	*	*	*	*
	Armagh	48	22	39·8	25·6	32·7	- 7·7	0	65	2	0·02	-0·55	12·7	- 3·4	18	- 5
	Donaghadee	48	24	41·3	30·4	35·9	- 5·3	0	43	1	0·01	-0·57	*	*	*	*
	Edgeworthstown	44	21	39·3	24·9	32·1	- 8·1	0	69	2	0·21	-0·49	*	*	*	*
10. IRELAND, S.	Dublin	43	26	39·7	30·4	35·1	- 7·7	0	48	2	0·02	-0·50	23·2	+ 4·0	33	+ 7
	Parsonstown	44	23	40·7	25·9	33·3	- 8·1	0	61	1	0·03	-0·49	27·7	+ 8·9	40	+14
	Kilkenny	45	25	40·6	28·9	34·8	- 7·7	0	50	0	—	-0·62	*	*	*	*
	Roche's Point	48	25	42·4	32·1	37·3	- 6·7	1	35	0	—	-1·05	*	*	*	*
	Valencia	48	26	44·0	32·1	38·1	- 7·0	6	36	0	—	-1·16	40·0	+19·8	56	+27
	Killarney	47	19	42·2	28·2	35·2	- 9·5	1	48	1	0·04	?	*	*	*	*
	Foynes	46	25	41·1	28·5	34·8	- 8·4	0	50	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	44	33	41·9	35·3	38·6	- 7·4	0	24	0	—	-0·62	24·8	?	34	?
	Jersey	42	28	38·4	32·1	35·3	- 8·0	0	47	0	—	-0·62	32·1	+ 7·4	45	+12

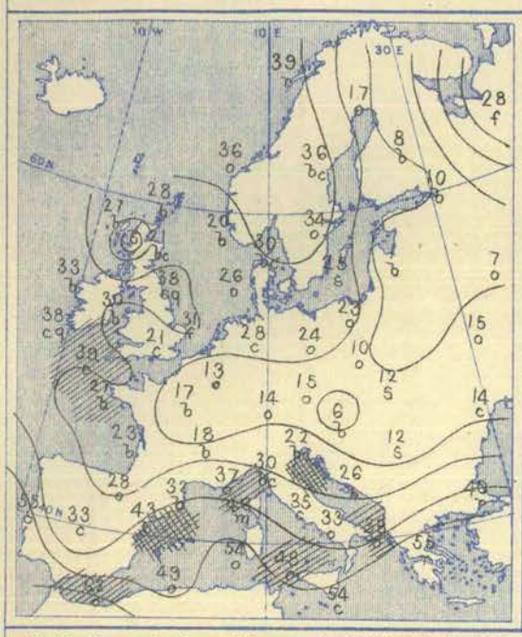
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℛ with the Scottish Meteorological Society.

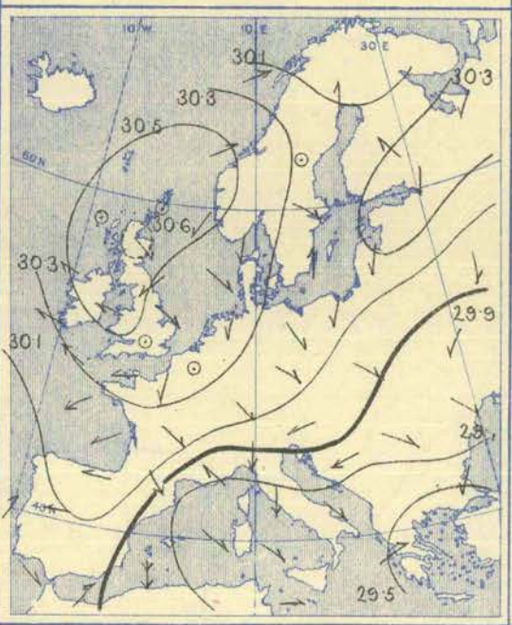
* An asterisk is inserted in all places for which the information is not usually received.

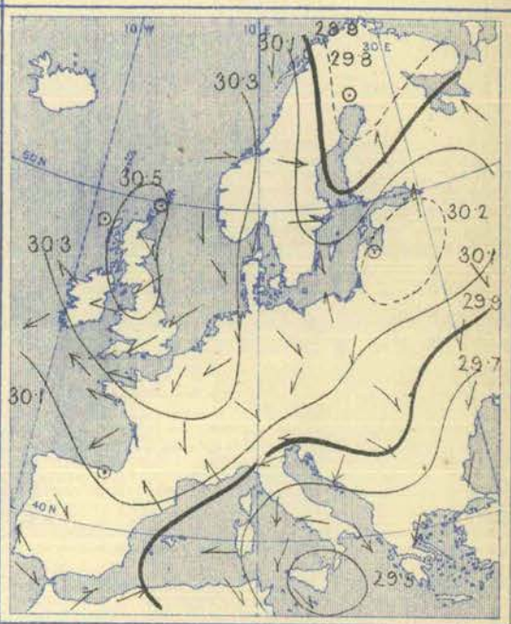
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 17th February.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine and dry over the British Islands and north-western Europe as a whole, but slightly showery on our north-east coast, and cloudy or foggy in some other localities; fine over the Baltic Provinces and Finland. Very unsettled over the Mediterranean and south-eastern Europe, with rain in several places. Some snow later over northern and central Europe, considerable rain over Algeria, Greece, and Turkey in Europe.

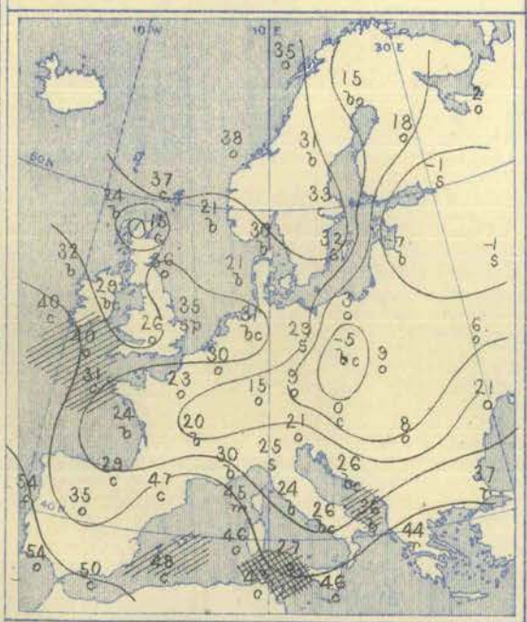
Temperature very low and falling generally. Morning readings highest, 62° at Oran, and above 50° at several stations on the southern side of the Mediterranean and the south-west coasts of Spain; much lower elsewhere. Lowest, (1) − 28° Fahr. at Archangel, + 3° at Memel, 7° at Moscow, 8° at Kuopio; (2) 7° at Nairn, 17° at Wick, 21° at Aberdeen; (3) 18° at Oxford, 20° at Cambridge; (4) 13° at Brussels, 17° at Paris, 18° at Lyons; (5) 6° at Buda-Pesth, 12° at Lemberg and Hermanstadt, 22° at Trieste, 30° at Florence, 33° at Naples. Rising a little over Finland later and over the United Kingdom during day, but night again very cold over Europe generally.

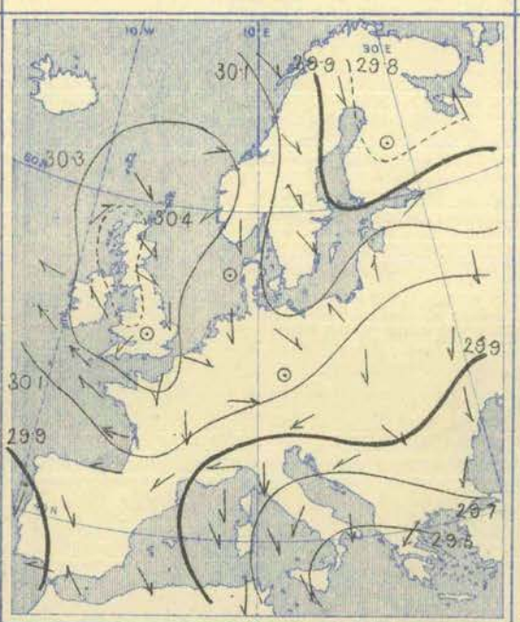
Wind light from the Northward at our northern and eastern stations and over the North Sea, Westerly over the northern parts of Norway, Northerly over the Baltic and Germany, Easterly over the Bay of Biscay, the south-west of England, and the whole of Ireland. A complex cyclonic circulation of winds reported over Italy, the Adriatic, and south-eastern Europe, blowing hard from East and North at the Italian stations. A Northerly gale reported at Algiers. The Northerly gale over Italy extending to Greece later, Southerly winds appearing over Finland.

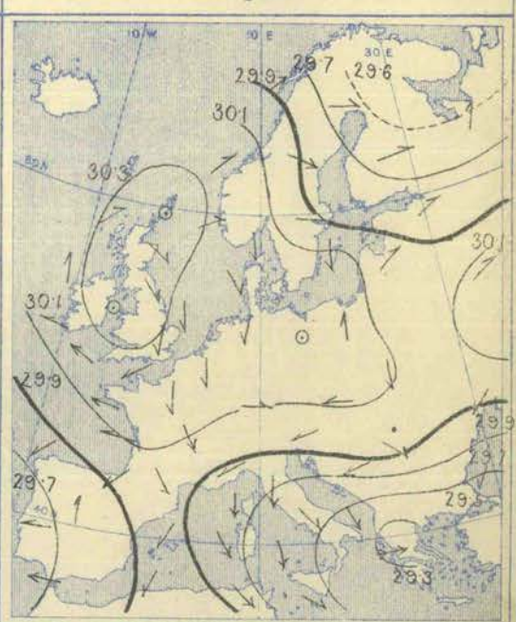
Barometer highest, (1) 30·6 ins. and more over the east of Scotland, and exceeding 30·4 ins. in an anticyclone covering the whole of our Islands and their neighbourhood; (2) exceeding 30·3 ins. over northern Russia. Lowest, 29·6 ins. to 29·5 ins. and less in a large depression over south-eastern Europe; below 29·9 ins. in the south-west of Spain; and below 30·1 ins. over Lapland. Depression in extreme south-east becoming deeper and a "V" shaped system appearing over Finland and Gulf of Bothnia in evening.

Monday, 18th February.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine and bright over many parts of our Islands, Sweden, the eastern shores of the North Sea, the southern parts of France and Italy, dull and gloomy elsewhere, with fog in places, snow over northern Russia and slight falls in our own eastern counties. Rain falling at Athens and Constantinople. Slight showers of snow over Russia, and later of sleet and cold rain at Bodö and over our north-eastern and eastern districts, snow in south Germany also.

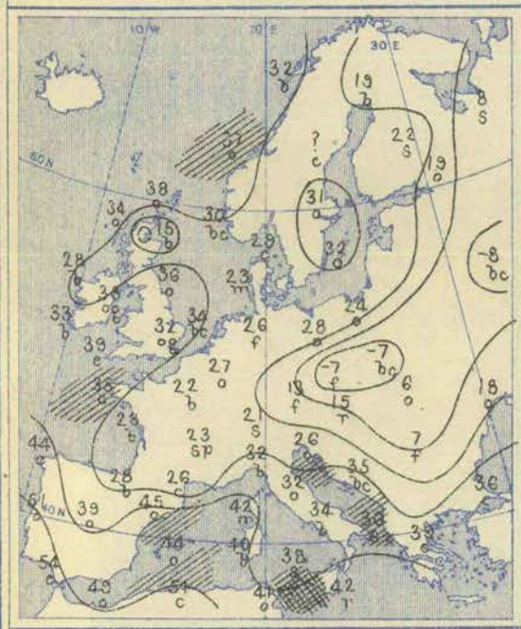
Temperature risen over England, the Netherlands, and north of France; fallen over Scotland, central and south-eastern Europe. Morning readings highest, (1) 54° to 52° on the south-west coast of Spain, 40° to 50° over Algeria; 40° on the south coast of Ireland and at Scilly, 38° at Christiansund. Lowest, (1) − 7° at Riga, − 5° at Warsaw, − 1° at St. Petersburg and Moscow; (2) 5° at Nairn, 15° at Wick and Aberdeen; (3) 24° at Rome, 25° at Leghorn and Florence; (4) 25° to 28° over the southern inland parts of England. Rising considerably over England and Scotland later, and frost giving considerably for a time.

Wind light and anticyclonic over the United Kingdom and neighbourhood, North-Westerly to Northerly on the eastern shores of the North Sea, but South-Westerly and Southerly over Finland and the Gulf of Riga. The northern half of a well-marked cyclonic system found over Italy and south-eastern Europe, the wind being Northerly in Italy, North-Westerly in Sicily, and North-Easterly, a gale, at Athens. No decided change in our Islands, but cyclonic winds over south-eastern Europe increasing in force and moving northwards.

Barometer highest, 30·4 ins. and more to 30·2 ins. in the anticyclone covering our Islands and their neighbourhood. Lowest, below 29·8 ins. in a depression over the north of Finland and the White Sea, and below 29·4 ins. in another large system having its central area in the neighbourhood of Cyprus. Falling somewhat over the North Sea and Great Britain during the day, but rising slightly over Ireland. Depression over south-eastern Europe growing deeper and moving northwards.

Tuesday, 19th February.

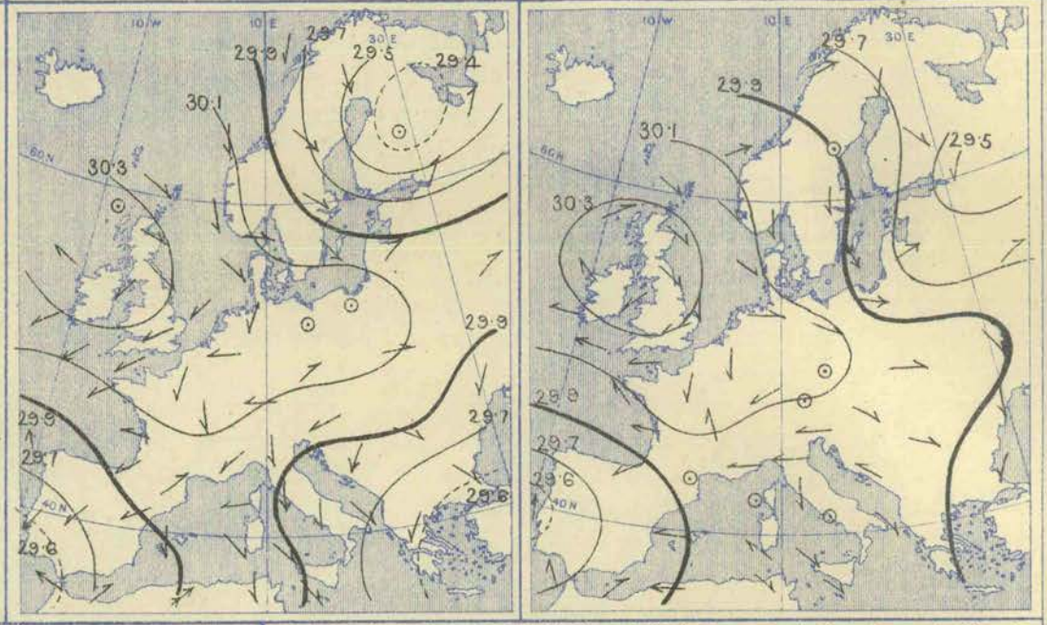
Temperature and Weather. 8 a.m.



Weather in morning fine over the British Isles and north-western Europe generally, also at several stations in Italy and the south of France, but, as a whole, unsettled both over the southern and extreme northern parts of Europe; snow in Finland, rain at Malta and Nemours. Heavy fall of rain in the south of Portugal later and locally at Brindisi also; a general (but not heavy) fall over the the Norwegian coast and the Shetland Islands, and a sprinkling at Ardrossan also.

Temperature risen in Scotland, fallen over England, risen somewhat over Italy. Morning readings highest, (1) 54° at San Fernando, 51° at Algiers and Lisbon, 45° at Barcelona; (2) 39° at Scilly, 38° at Sumburgh Head, 37° at Christiansund. Lowest, (1) 8° at Archangel, 19° at Haparanda; (2) − 8° Fahr. at Moscow, − 7° at Warsaw and Breslau, 0° Fahr. at Kharkov and Odessa, and 7° at Hermanstadt; (3) 7° at Nairn, 15° at Aberdeen, 29° at Parsonstown. Changing fitfully later, but very sharp frost recurring over England at night.

Barometer and Wind. 8 a.m. 6 p.m.

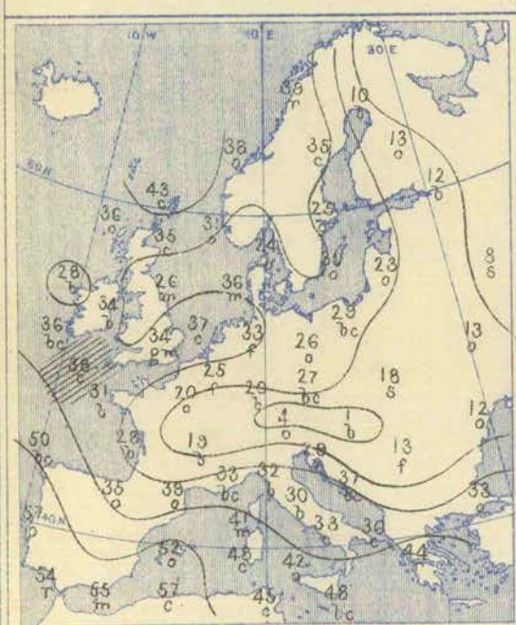


Wind (1) anticyclonic over the British Isles and North Sea, moderate Easterly over the Bay of Biscay; (2) cyclonic, Northerly and North-Westerly, over Sweden, Westerly over the Gulf of Finland, Southerly at St. Petersburg and Archangel; (3) North-Easterly and fresh over south-eastern Europe, Northerly to North-Westerly over Italy, North-Westerly at Constantinople; (4) South-Easterly on the Algerian coast (a gale in places). East-South-Easterly, fresh, at San Fernando. Backing towards South-West in the north-west of Norway later, and a light South-Westerly breeze setting in at Stornoway. Veering Northwards over the Baltic later, and blowing harder for a time. Northerly wind moderating over Italy.

Barometer highest, 30·3 ins. and more to 30·1 ins. in a large anticyclone covering the British Islands and the greater part of the neighbouring countries of Europe. Lowest, (1) 29·6 ins. and less (1) off the south-west coast of Spain, (2) over Asia Minor and the Grecian Archipelago; and below 29·4 ins. in a well-marked depression over Finland. No decided change in our neighbourhood later, but south-eastern depression moving north-eastwards.

Wednesday, 20th February.

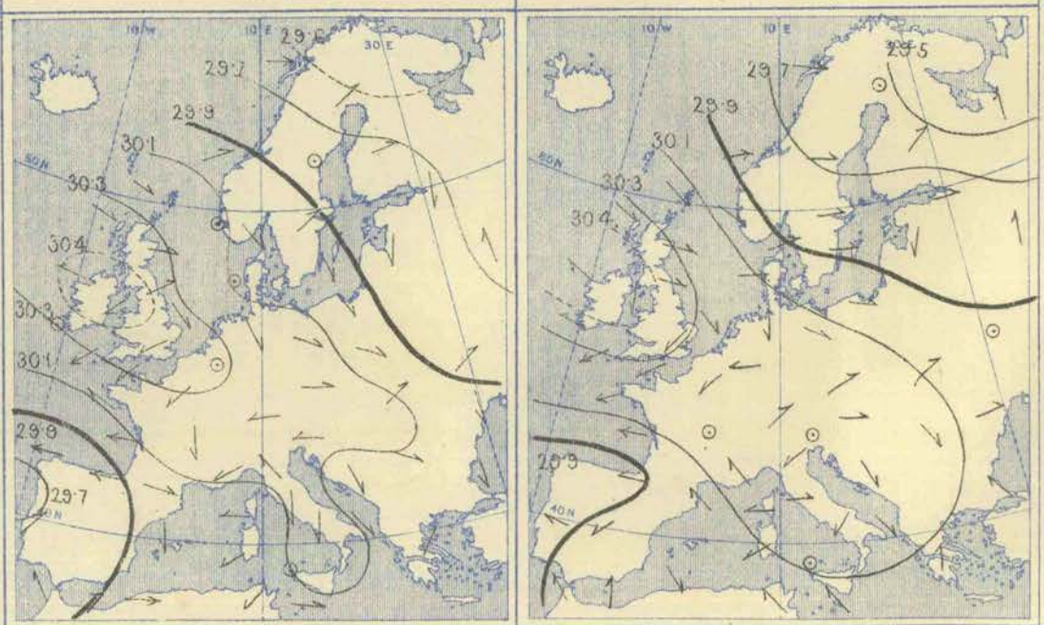
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over many of the northern and western parts of our Islands, the greater part of France, the north of Italy, and south Germany, foggy or cloudy elsewhere, and rather unsettled over northern and eastern Europe on the one hand, and the southern parts of the Spanish Peninsula on the other, with rain locally in the warmer districts, slight snow in the colder. Considerable rain later in the west of Norway and also over the Azores, Portugal, and Spain, slight showers at several of the Scotch stations and at Yarmouth.

Temperature risen quickly over Scotland, and very quickly over central Europe. Morning readings highest, (1) 57° to 50° at stations on the Algerian coasts and the Atlantic coasts of Spain and Portugal generally; (2) 43° at Sumburgh Head, 39° at Bodö, 38° at Christiansund. Lowest, (1) 4° at Kharkov, and + 8° to 13° over nearly the whole of Russia; (2) 13° at Turin, 19° at Lyons, 20° at Paris, 24° at Florence, 30° at Rome; (3) 24° at York and Leith, 28° at Nairn, 30° at Parsonstown. Rising over our Islands generally during day, but night cold again over Ireland and Wales. Temperature, however, increasing as a whole.

Barometer and Wind. 8 a.m. 6 p.m.



Wind (1) still light to moderate and anticyclonic over the British Isles and their neighbourhood; (2) Westerly, strong, in the north-west of Norway; (3) North-Westerly, moderate, over the Baltic and Germany, South-Westerly to Southerly and light over Russia; (4) Easterly over France and the Bay of Biscay, South-Easterly to Southerly over the Iberian Peninsula. No decided change later.

Barometer highest, 30·4 ins. and more over Ireland, Wales, and the north-west of England, and exceeding 30·1 ins. in a broad band stretching south-eastwards from the Atlantic across the British Islands to central Europe, and extending a "Ridge" to Italy. Lowest, 29·6 ins. and less over Lapland, and about 29·7 ins. and less off the coast of Portugal. Falling over northern Europe later, very steady in our Islands; rising over Portugal, but falling in the Azores.

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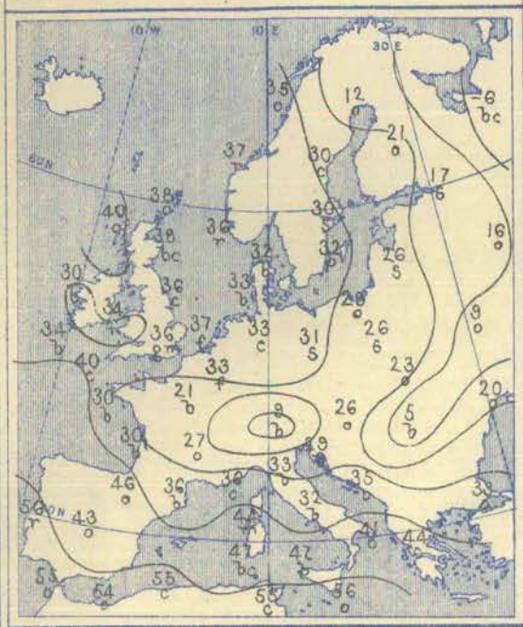
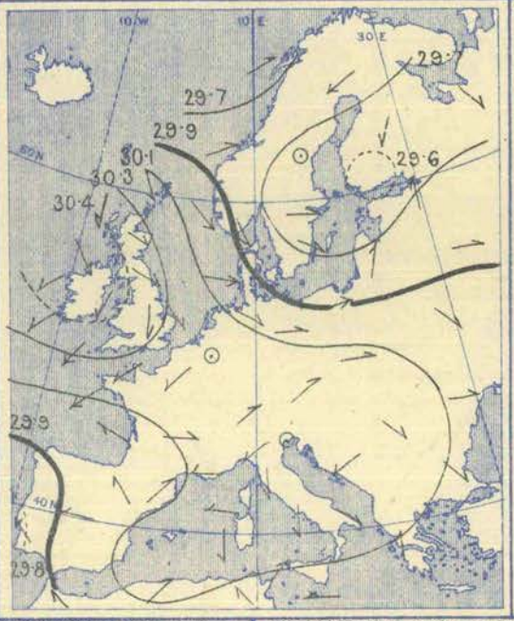
Thursday, 21st February.

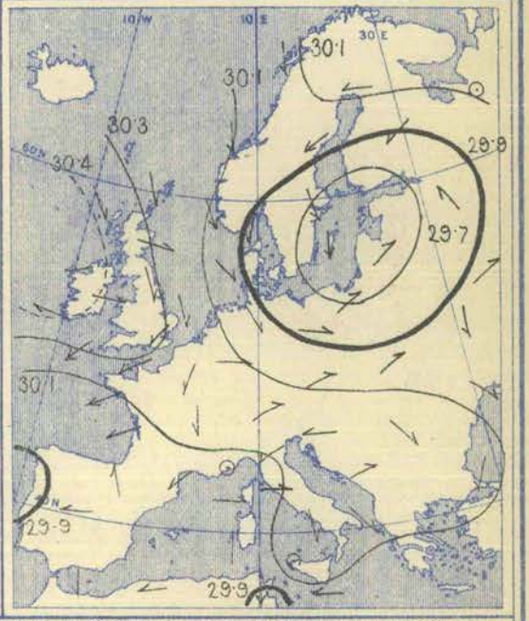
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fair over the British Islands, France, and Italy generally, at many stations clear and bright, at others dull, hazy, or foggy. Rain falling on the Norwegian coast, snow in several parts of Sweden, Finland, and western Russia. The latter districts and parts of north Germany marked by further falls later, and slight showers observed in the north-east and east of England. Half an inch of rain falling at Madrid, a quarter of an inch at Lisbon, and 0·16 in. at the Azores.

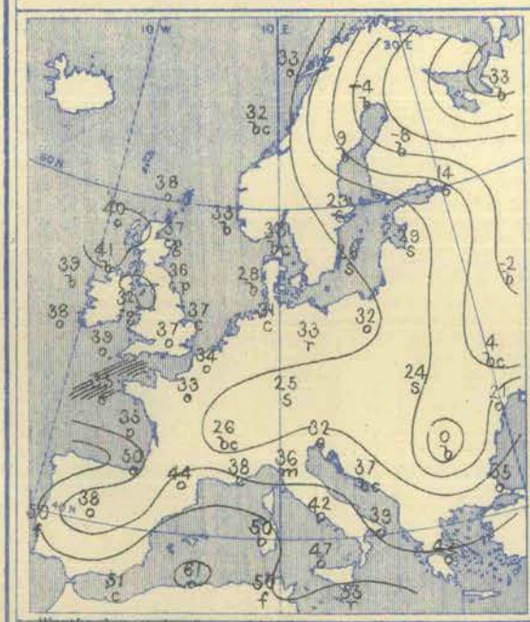
Temperature showing a further rise over Scotland, England, and Italy, but some fall over Ireland, Wales, and the north of Scandinavia. Morning readings highest, (1) 56° at Malta, 55° to 50° on the coasts of Algeria, Spain, and Portugal, 40° at Scilly; (2) 42° at Malin Head, 39° at Nairn, 37° at Christiansund. Lowest, (1) – 6° at Archangel, + 12° at Haparanda, 17° at St. Petersburg; (2) 9° at Kiev, 11° at Kharkov, 21° at Odessa; (3) 9° at Munich, 14° at Wiesbaden, 21° at Paris; (4) 27° at Parsonstown, 28° at Roche's Point, and below 30° at the two Welsh stations. Inclined to rise over the United Kingdom generally, and rising to between 60° and 70° over Algeria.

Wind (1) North-Easterly over Lapland, North-Westerly over the southern parts of Scandinavia, Westerly over the Baltic, South-Westerly over the Gulf of Finland; (2) North-Westerly to North-Easterly (anticyclonic) over the British Isles and light in force; (3) North-Easterly, fresh, over the western parts of the Channel, Easterly, fresh, over the Bay of Biscay, South-Easterly on the adjacent coasts of the Peninsula; (4) very light over south-eastern Europe and Italy. Shifting to South-South-West at Lisbon later; backing to East in the south of Finland and blowing strongly.

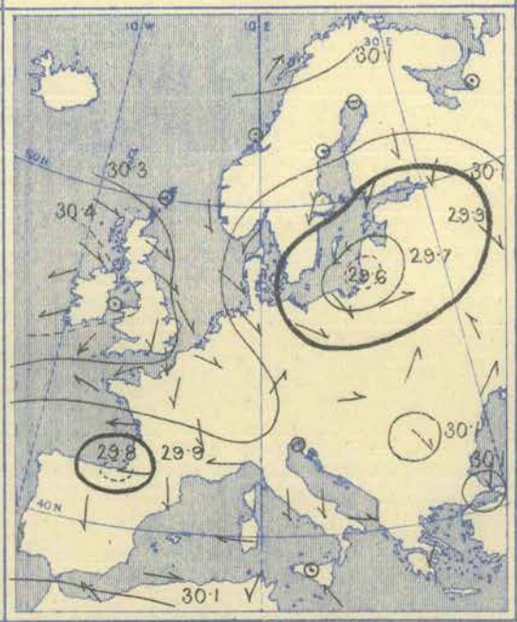
Barometer highest, 30·4 ins. and more over Ireland and Wales, and exceeding 30·2 ins. in a band stretching thence in a south-easterly direction to the north of Italy and south Germany. Some indications of a new high-pressure area visible over the east of Lapland. Lowest, 29·7 ins. to 29·6 ins. in a rather complex depression over Finland and the Baltic, and below 29·8 ins. off the Portuguese coasts. Rising over northern Europe later, and Baltic depression moving southwards and becoming less complex.

Friday, 22nd February.

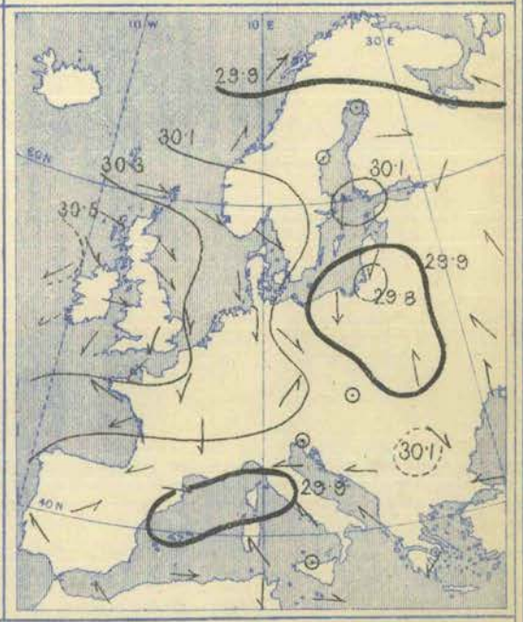
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine and bright over Ireland, the greater part of Scandinavia and Finland, cloudy or foggy over Great Britain, dull and unsettled over the Baltic and western Russia, and also in various parts of the Spanish Peninsula. Considerable rain later at Lisbon and in the Azores, and small quantities (1) over northern Europe, (2) over Norway and the northern and north-eastern parts of Great Britain; snow at Munich, Berlin, and over Poland.

Temperature risen considerably over central Europe, fallen rapidly over northern Europe; morning readings highest, 61° at Algiers, and exceeding 50° on the shores of Spain and northern Africa generally, as well as at Malta; exceeding 40° at some of our own north-western stations. Lowest, – 33° Fahr. at Archangel, – 11° at Ulcaborg, – 2° at Moscow, + 4° at Kiev, 10° at Kharkov, 0° at Hermanstadt, 24° at Lemberg, 25° at Munich, 26° at Lyons; 28° at Liverpool, 29° at Donaghadee. Rising later over the United Kingdom generally, but falling over central England towards night. Very warm (70° to 80°) over Algeria during day, and touching 64° at Cagliari.

Wind (1) light to moderate in force and anticyclonic in direction over the British Islands as a whole, fresh from East over the Bay of Biscay. Southerly at Lisbon; (2) North-Easterly, strong to a gale, over the Baltic, North-Westerly, moderate, over north Germany, Westerly over south Germany, Southerly at Kiev. Increasing in force from South-West over Norway later, decreasing from North-East over the Baltic, but no material change in our Islands or over the Bay of Biscay.

Barometer highest, 30·4 ins. and more to 30·1 ins. in the eastern portion of an anticyclone spreading in from the Atlantic over the British Islands, and stretching as a ridge over France and western Germany on the one hand, and over Scandinavia and northern Europe on the other. Lowest, below 29·6 ins. in a large depression having its centre near Memel, and below 29·8 ins. in another near Biarritz. Falling fast in Lapland and the north of Norway later, rising slightly in our Islands and France. Depression near Biarritz moving eastwards to the Mediterranean.

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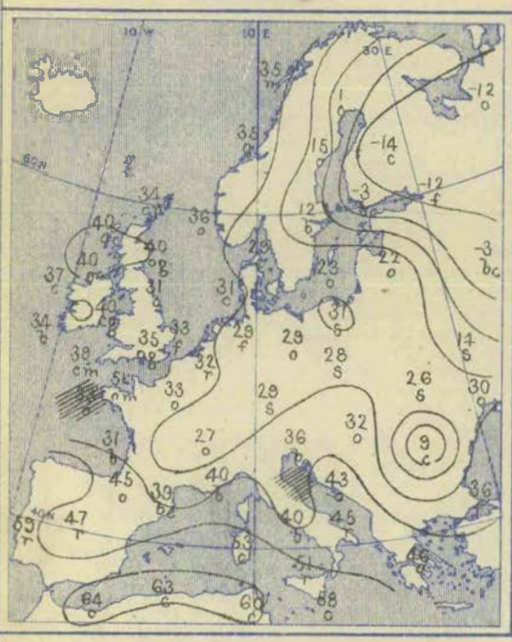
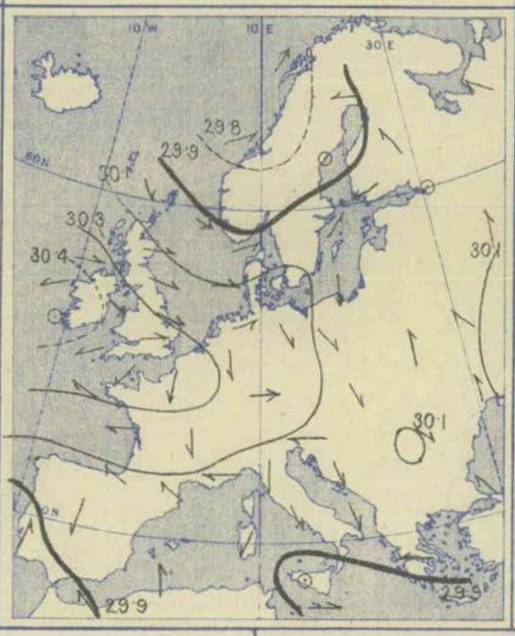
Saturday, 23rd February.

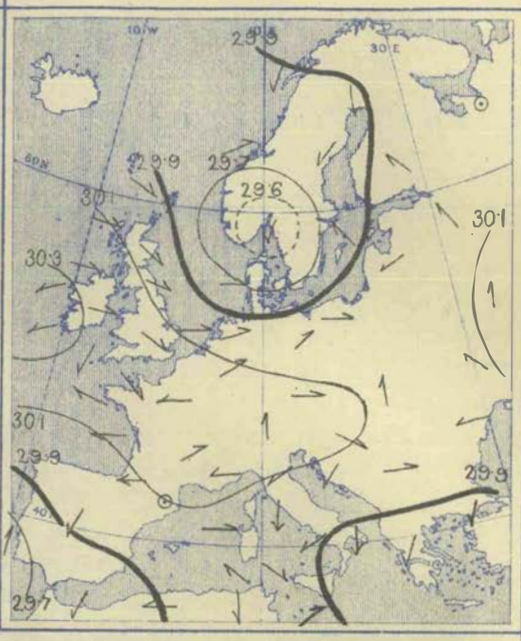
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over Ireland, England, France, western Germany, and northern Italy, but dull or foggy in many places; dull and unsettled elsewhere, with rain and sleet in the north of Scotland, snow in several parts of Russia and central Europe, rain in the south of Italy and Sicily. Considerable falls of snow and rain in Scotland later, and smaller quantities of rain on our north-western and eastern coasts, remaining fair in the west. Heavy rain over Spanish Peninsula and much snow at Memel.

Temperature changing very fitfully. Morning readings highest, (1) 64° to 60° at the Algerian stations, 59° at Lisbon; above 50° on the southern sides of the Mediterranean generally; (2) 42° at Ardrossan, 40° at Aberdeen and Stornoway, 35° on the north-west coast of Norway. Lowest, (1) – 14° Fahr. at Kuopio, – 12° at Archangel and St. Petersburg, and below zero Fahr. over central and northern Russia generally; 13° at Kharkov, 14° at Kiev, 21° at Odessa; 27° at Lyons, 28° at Munich, 33° at Paris, 34° at Oxford; 26° at Parsonstown. Rising later to between 40° and 48° over our Islands, exceeding 60° in the south of Italy and 70° in Algeria.

Wind (1) still light and anticyclonic over the United Kingdom, moderate, Easterly, over the Bay of Biscay, but Southerly at Lisbon; (2) Westerly to South-Westerly over Norway, calm in the north of Sweden; (3) North-Westerly to Northerly over the Baltic and north Germany; Northerly over Italy, Easterly in the south of France. Well-marked cyclonic circulation appearing over the eastern shores of the North Sea and Sweden later, and wind becoming rather fresher from the Westward over England.

Barometer highest, (1) 30·4 ins. and more over Ireland and adjacent parts of the Atlantic, and exceeding 30·1 ins. over western Europe generally; (2) 30·2 ins. to 30·1 ins. over the southern half of Russia. Lowest, below 29·8 ins. over the north-west of Norway and also off the coast of Portugal; below 29·9 ins. over Sicily and Malta, and apparently Cyprus also and the neighbouring parts of the Mediterranean. New depressions being developed over the Skager Rack later, and barometer falling decidedly over England. Depression approaching Portugal also from the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 44.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	18·5	?	27	?	EASTBOURNE	18·2	?	26	?
OSWALDKIRK (Yorkshire)	20·1	?	29	?	MANCHESTER (Oldham Road	1·5*	?	2*	?
WORKSOP	5·6	- 10·2	8	- 15	TENBY		?		?
THURCASTON (Leicestershire)	9·5	- 5·0	14	- 7	NEWQUAY	22·3	?	31	?
MARGATE	14·1	?	20	?	TORQUAY	22·4*	?	31*	?
WESTBOURNE (Sussex)	26·8*	?	29*	?	ARLEY COTTAGE (County Cavan)	26·9	?	39	?
BRIGHTON	15·0		21	?	GUERNSEY	29·3*	?	39*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 9.] *Third Series.* WEEK ENDING SATURDAY, MARCH 2ND, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 50.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	46	18	40·6	31·1	35·9	3 below	0	− 5	43	+ 9	0	− 56	633	+372
	1. SCOTLAND, EAST	49	19	40·9	29·9	35·4	3 below	0	−11	46	+12	0	− 78	795	+458
	2. ENGLAND, N.E.	47	27	41·6	31·5	36·6	3 below	0	−11	38	+ 8	0	− 73	635	+330
	3. ENGLAND, EAST	48	25	41·2	30·7	36·0	4 below	0	−14	42	+ 9	0	− 82	688	+339
	4. MIDLAND COUNTIES	49	24	41·7	30·4	36·0	4 below	0	−16	42	+12	0	−100	760	+420
	5. ENGLAND, SOUTH	50	24	41·6	30·4	36·0	5 below	0	−17	41	+16	8	−107	626	+363
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	47	22	42·8	31·5	37·2	3 below	2	− 8	40	+15	2	− 84	646	+400
	7. ENGLAND, N.W.	47	26	41·9	32·3	36·8	4 below	0	−11	36	+10	0	− 86	605	+351
	8. ENGLAND, S.W.	50	23	43·4	32·3	37·9	4 below	4	−14	35	+15	17	−126	555	+363
	9. IRELAND, NORTH	49	24	44·4	33·0	38·7	3 below	7	− 9	33	+10	7	−121	532	+312
	10. IRELAND, SOUTH	51	19	45·9	32·3	39·1	4 below	11	−11	37	+20	13	−174	412	+244
	—CHANNEL ISLANDS	48	28	43·9	34·5	39·2	6 below	5	−18	28	+21	58	−141	324	+252

Rainfall.

	DISTRICTS. (See p. 50.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	1 less	38	− 7	5·6	− 5·6
	1. SCOTLAND EAST	4	3	3 less	31	− 3	4·1	− 1·5
	2. ENGLAND, N.E.	4	4	0 (average)	40	+ 8	5·5	+ 1·6
	3. ENGLAND, EAST	4	3	2 less	36	+ 3	3·9	− 0·1
	4. MIDLAND COUNTIES	3	1	4 less	26	− 6	3·6	− 1·2
	5. ENGLAND, SOUTH	3	2	3 less	26	− 5	3·2	− 1·9
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	4	6 less	28	−11	3·1*	− 7·8
	7. ENGLAND, N.W.	3	3	3 less	28	− 7	3·5	− 2·4
	8. ENGLAND, S.W.	4	3	4 less	29	− 7	4·9	− 2·9
	9. IRELAND, NORTH	5	5	1 less	34	− 7	4·6	− 1·9
	10. IRELAND, SOUTH	3	2	5 less	32	− 7	6·0	− 1·9
	—CHANNEL ISLANDS	4	3	3 less	36	− 4	5·1	− 1·4

Bright Sunshine.

	DISTRICTS. (See p. 50.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	15	+ 1	21	+ 3	134	+ 35	26	+ 7
	1. SCOTLAND EAST	21	+ 3	29	+ 5	130	0	25	0
	2. ENGLAND, N.E.	28	+11	39	+14	158	+ 50	28	+ 9
	3. ENGLAND, EAST	20	0	28	0	143	+ 16	25	+ 3
	4. MIDLAND COUNTIES	20	+ 1	26	+ 1	148	+ 36	26	+ 6
	5. ENGLAND, SOUTH	26	+ 4	36	+ 7	160	+ 31	26	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	33	+14	45	+20	156	+ 53	28	+ 9
	7. ENGLAND, N.W.	16	+ 1	22	+ 2	123	+ 42	27	+ 8
	8. ENGLAND, S.W.	37	+13	49	+18	194*	+ 56	33	+ 10
	9. IRELAND, NORTH	20	+ 3	27	+ 3	152	+ 38	28	+ 7
	10. IRELAND, SOUTH	24	+ 2	33	+ 4	161	+ 25	29	+ 4
	—CHANNEL ISLANDS	39	+13	51	+17	209	+ 78	42	+ 13

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was somewhat changeable, overcast skies, accompanied by showers of sleet or snow, having alternated with intervals of bright sunshine. Towards the end of the week the snow experienced in the north of Scotland was very heavy.

Temperature fluctuated considerably, but continued below the mean as a whole, the deficit ranging from 3° or 4° in all the more northern and western districts to 5° in England S. and to 6° in the Channel Islands. The highest of the maxima were registered either on February 28th or March 1st, and varied from 51° in Ireland S. and 50° in England S. and S.W. to 46° in Scotland N. The lowest of the minima, which were recorded on February 26th over England and Ireland, and on March 2nd in Scotland, ranged from 18° in Scotland N. and 19° in Scotland E. and Ireland S. to 27° in England N.E. and to 28° in the Channel Islands.

Rainfall just equalled the mean in England N.E., but was less in all other districts.

Bright Sunshine varied considerably in amount in the different districts, but was generally in excess of the mean. The percentage of the possible duration ranged from 21 to 45 in Scotland, from 27 to 33 in Ireland, and from 22 to 49 in England; in the Channel Islands the percentage was as high as 51.

Barometer and Wind.—No depressions of importance appeared directly over our Islands, but several small disturbances (secondary to large systems over Scandinavia) travelled south-eastwards over the eastern parts of Great Britain and the North Sea. Northerly to North-Westerly winds, moderate to fresh in force, were most general over the United Kingdom, but, on March 1st, when the highest pressure was over France and a depression was approaching the west of Norway, the wind backed to the Westward for a time. At the end of the period it had veered to the North-Westward or Northward again on all our coasts.

697 1|90 W. & S., Ltd.
213 79 3|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 49 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	22	38·4	31·3	34·9	- 3·3	0	50	6	0·44	−0·30	*	*	*	*
	Stornoway	46	26	42·6	31·7	37·2	- 2·0	2	37	5	0·72	−0·18	19·6	+ 0·8	28	+ 3
	Wick	43	25	39·0	30·4	34·7	- 3·8	0	51	7	1·16	+0·61	*	*	*	*
	Glencarron ℒ	42	18	39·9	29·2	34·6	- 2·9	0	52	7	1·82	+0·39	*	*	*	*
	Fort Augustus ℒ	46	24	41·2	30·1	35·7	- 3·0	0	44	5	0·65	−0·17	6·8	?	9	?
	Fort William ℒ	46	31	42·3	33·9	38·1	- 1·7	1	29	5	0·59	−1·16	18·1	?	25	?
1. SCOTLAND, E.	Nairn	47	27	41·1	31·1	36·3	- 2·5	0	40	5	0·48	+0·10	*	*	*	*
	Aberdeen	48	28	40·4	31·6	35·0	- 3·0	0	42	5	0·27	−0·35	24·3	+ 3·8	34	+ 5
	Braemar ℳ ℒ	41	19	36·7	26·6	31·7	- 4·1	0	72	7	0·52	−0·14	14·2†	?†	20†	?
	Ochtertyre ℒ	48	22	44·6	28·4	36·5	- 1·5	7	49	3	0·12	−0·66	*	*	*	*
	Leith	49	30	44·9	32·7	38·8	- 1·7	8	35	3	0·07	−0·26	*	*	*	*
	Marchmont ℒ	48	23	37·9	28·6	33·3	- 4·5	0	61	3	0·11	−0·47	19·8	?	27	?
2. ENGLAND, N.E.	Alnwick Castle	48	29	40·0	32·4	36·2	- 2·7	0	46	5	0·42	−0·12	*	*	*	*
	Durham	45	27	41·6	30·0	35·8	- 3·0	0	43	4	0·42	0·00	24·1	+ 5·0	33	+ 6
	Shields	47	29	42·1	32·1	37·1	- 2·8	0	35	3	0·28	−0·12	*	*	*	*
	Scarborough ℳ	46	27	43·9	31·1	37·5	- 2·6	5	39	5	0·48	+0·08	*	*	*	*
	York	47	28	43·0	31·1	37·1	- 2·8	3	39	3	0·14	−0·26	33·9	+16·8	46	+24
	Spurn Head	42	31	39·1	32·1	35·6	- 4·1	0	45	3	0·48	+0·16	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	47	25	41·1	29·8	35·5	- 4·4	0	46	2	0·18	−0·25	22·6	+ 2·6	31	+ 4
	Yarmouth	46	28	39·6	30·7	35·2	- 3·8	0	48	7	0·50	+0·04	*	*	*	*
	Geldeston	48	26	41·9	30·5	36·2	- 3·7	0	41	6	0·42	+0·02	29·4	- 1·1	38	- 1
	Cambridge	47	27	42·6	31·1	36·9	- 3·3	2	39	1	0·09	−0·25	18·9	- 1·1	26	- 1
	Rothamsted	47	28	41·0	31·4	36·2	- 3·7	0	41	4	0·14	−0·31	19·4	?	26	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	48	25	43·3	29·7	36·5	- 3·6	4	44	1	0·01	−0·36	*	*	*	*
	Loughborough	48	27	42·3	30·3	36·3	- 4·2	1	41	2	0·09	−0·29	*	*	*	*
	Stamford (Ketton Hall)	49	26	43·0	30·6	36·8	- 4·1	3	41	3	0·14	−0·18	*	*	*	*
	Cheadle ℳ	45	26	40·1	29·7	34·9	- 3·9	0	50	3	0·16	−0·49	*	*	*	*
	Solihull	45	27	40·5	31·5	36·0	- 3·8	0	42	3	0·12	?				
	Churchstoke ℳ	47	26	41·0	29·3	35·2	- 4·5	0	48	3	0·15	−0·41	17·9	- 0·9	24	- 2
	Hereford ℳ	47	27	42·3	31·1	36·7	- 4·3	1	38	4	0·12	−0·32	*	*	*	*
	Cirencester	48	24	41·0	30·3	35·7	- 3·6	0	44	3	0·20	−0·36	28·3	+ 5·6	38	+10
	Oxford	48	28	41·9	30·7	36·3	- 4·4	0	40	3	0·10	−0·32	15·1	- 4·4	20	- 6
5. ENGLAND, S.	London	47	28	42·3	31·3	36·8	- 4·4	1	38	4	0·12	−0·26	13·1†	- 0·7†	18†	0†
	North Foreland	44	31	40·0	32·0	36·0	- 4·8	0	42	2	0·23	?	*	*	*	*
	Strathfield Turgiss ℳ	50	24	42·9	28·8	35·9	- 4·9	3	47	2	0·13	−0·34	*	*	*	*
	Dungeness	44	26	39·6	29·3	34·5	- 6·3	0	53	3	0·10	−0·33	*	*	*	*
	Hastings (St. Leonards)	43	26	40·4	29·8	35·1	- 6·2	0	48	3	0·22	−0·22	28·7	+ 3·5	39	+ 7
	Southampton	50	27	45·0	31·1	38·1	- 3·9	8	41	2	0·17	−0·36	31·5	+ 9·6	43	+14
	Hurst Castle	46	29	41·7	30·6	36·2	- 3·6	0	41	3	0·08	−0·40	*	*	*	*
	Stowell ℳ	47	27	42·3	30·6	35·8	- 4·3	0	43	5	0·26	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	46	28	43·5	30·9	37·2	- 3·5	4	40	5	0·95	- 0·72	*	*	*	*
	Glasgow	47	29	42·5	32·4	37·5	- 2·4	1	34	2	0·13	−0·57	35·6	+20·4	49	+29
	Ardrossan	47	31	44·3	34·6	39·5	- 1·3	6	28	3	0·09	−0·52	*	*	*	*
	Glenlee ℒ	44	22	41·2	28·2	34·7	- 4·1	0	51	4	0·31	−0·66	*	*	*	*
	Douglas (Isle of Man)	47	28	42·6	31·4	37·0	- 4·1	2	38	5	0·33	−0·39	29·9	+ 8·9	41	+12
7. ENGLAND, N.W.	Stonyhurst	42	27	39·7	31·4	35·7	- 4·2	0	44	3	0·25	−0·59	19·0	+ 0·6	26	+ 1
	Blackpool ℳ	42	28	40·8	32·1	36·5	- 3·8	0	39	3	0·14	−0·37	28·9	+10·6	40	+15
	Manchester (Prestwich)	43	26	40·5	30·1	35·3	- 4·5	0	47	4	0·37	−0·18	13·3	?	18	?
	Liverpool Obsy. (Bidston)	45	30	40·1	33·0	36·6	- 4·2	0	38	3	0·29	−0·11	*	*	*	*
	Llandudno ℳ	46	29	42·0	33·9	38·0	- 4·3	0	28	3	0·43	−0·06	11·3	- 7·6	15	-10
	Holyhead	47	33	42·9	36·0	38·5	- 3·7	3	15	4	0·34	−0·24	*	*	*	*
8. ENGLAND, S.W.	Llandovery	48	23	43·1	27·7	35·4	- 6·5	3	51	4	0·45	−0·47	*	*	*	*
	Pembroke	45	33	42·7	35·4	39·1	- 3·4	2	24	4	0·30	−0·33	27·3	+ 3·8	37	+ 6
	Bristol (Montpelier)	49	29	43·3	31·2	37·3	- 3·9	4	39	5	0·23	−0·38	*	*	*	*
	Arlington (N. Devon)	45	27	40·6	30·4	35·5	- 4·9	0	46	5	0·49	−0·51	*	*	*	*
	Cullompton ℳ	50	24	44·3	31·2	37·8	- 3·4	6	40	4	0·22	−0·47	34·2	+13·3	46	+18
	Falmouth	49	29	44·2	35·2	39·7	- 4·5	6	25	3	0·27	−0·59	44·0	+19·2	59	+27
	Plymouth	49	30	44·1	34·9	39·5	- 3·9	6	26	3	0·16	−0·49	39·6	+15·5	53	+21
	Prawle Point	50	30	45·0	32·3	38·7	- 4·0	8	36	4	0·18	−0·28	*	*	*	*
9. IRELAND, N.	Malin Head	46	35	42·6	38·3	40·5	- 2·2	2	14	4	0·39	?	*	*	*	*
	Londonderry	47	31	44·0	34·0	39·5	- 2·3	8	30	6	0·53	−0·08	*	*	*	*
	Edenfel (Omagh)	45	28	43·3	30·6	37·0	- 3·4	4	41	4	0·56	+0·01	*	*	*	*
	Belmullet	49	33	47·3	36·6	42·0	- 1·1	15	15	7	0·65	?	*	*	*	*
	Markree Castle	49	25	46·3	30·9	38·6	- 2·5	12	42	5	0·66	+0·02	20·6	+ 2·1	28	+ 3
	Brookeborough	47	26	43·8	31·3	37·6	- 2·6	5	39	5	0·53	−0·15	*	*	*	*
	Armagh	48	26	43·3	31·0	37·2	- 3·6	4	40	4	0·30	−0·22	20·4	+ 2·5	28	+ 4
	Donaghadee	49	30	43·9	34·4	39·2	- 2·3	5	28	4	0·39	−0·16	*	*	*	*
	Edgeworthstown	47	24	44·2	29·9	37·1	- 3·3	6	44	5	0·51	−0·17	*	*	*	*
10. IRELAND, S.	Dublin	49	29	44·3	33·7	39·0	- 3·8	6	31	5	0·28	−0·32	21·4	+ 0·7	29	0
	Parsonstown	49	22	44·9	28·6	36·3	- 5·4	6	48	4	0·55	−0·05	20·3	- 0·6	27	- 1
	Kilkenny	48	25	45·4	29·6	37·5	- 5·2	10	46	4	0·43	−0·14	*	*	*	*
	Roche's Point	48	30	47·0	33·9	40·5	- 3·7	14	32	1	0·02	−0·96	*	*	*	*
	Valencia	50	29	47·6	35·1	41·4	- 3·8	16	28	5	0·15	−0·93	31·2	+ 8·9	42	+11
	Killarney	51	19	47·8	36·3	39·1	- 5·7	16	45	2	0·11	?	*	*	*	*
	Foynes	48	25	45·5	34·7	40·1	- 3·2	10	28	2	0·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	48	34	45·0	36·4	40·7	- 5·3	8	22	2	0·09	−0·49	40·6	?	54	?
	Jersey	45	28	42·7	32·6	37·7	- 6·1	2	34	5	0·45	−0·17	39·7	+12·3	53	+17

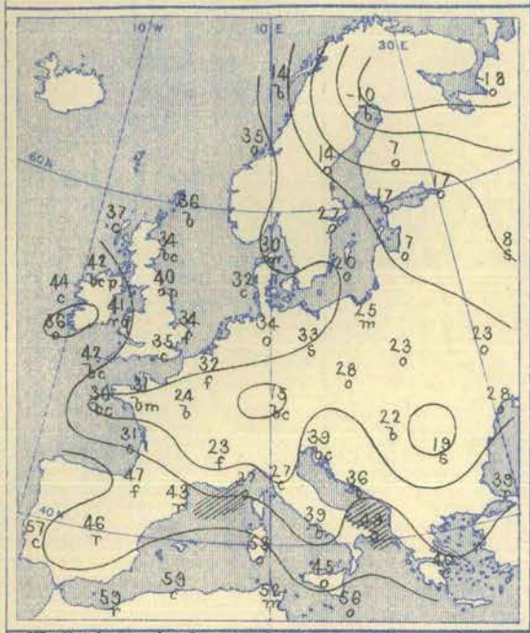
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℒ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 24th February.

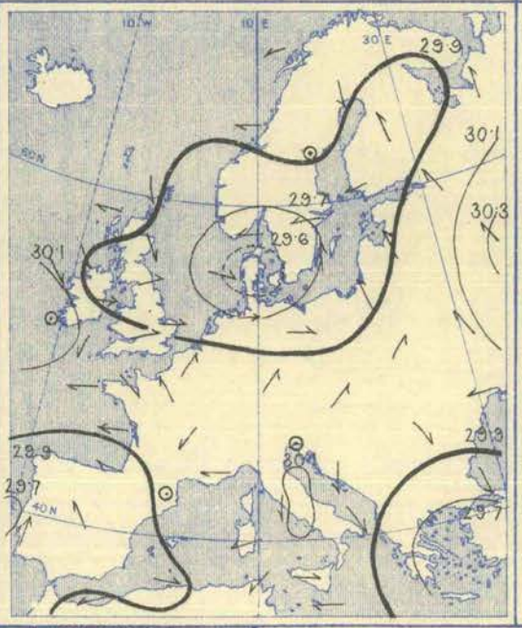
Temperature and Weather. 8 a.m.

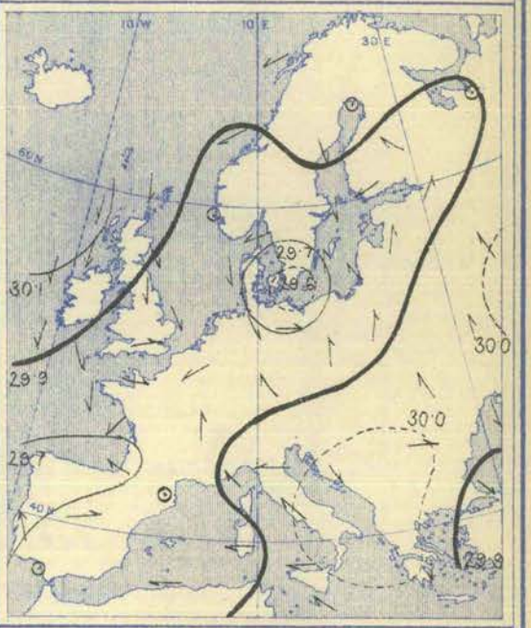


Weather in morning fine over the extreme northern and southern parts of the United Kingdom, but cloudy in the intermediate districts, with rain in many places, dull in most of the Continental countries, with snow in several parts of Scandinavia, Russia, Germany, and Austria, and with rain at some of the Spanish and southern French stations, as well as at Constantinople. Rain falling during day in nearly all parts of western Europe, and snow continuing in Russia and north Germany.

Temperature risen several degrees over Finland and the Baltic and slightly in the west and south of our Islands, but fallen in most other localities. Morning readings highest, 63° at Aumale, 59° at Nemours and Algiers, 58° at Oran, and 57° at Lisbon. Lowest, – 18° Fahr. at Archangel, – 10° at Haparanda, + 6° at Uleaborg, 7° at Kuopio, and 8° at Moscow; below the freezing point over northern, eastern, and central Europe generally, and very little above it at some of our own eastern and southern stations. Rising during day to between 45° and 48° in the extreme west and south-west of our Islands; exceeding 50° over Spain and the southern parts of France and Italy, and reaching 64° at San Fernando.

Barometer and Wind. 8 a.m. and 6 p.m.



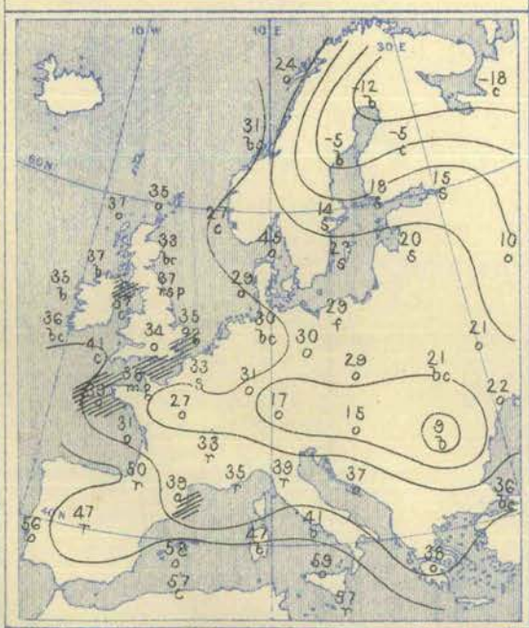


Wind light to moderate from the Eastward or North-Eastward over Scandinavia and the north of Scotland, but North-Westerly in Ireland and Westerly or South-Westerly over England, the Netherlands, Denmark, Germany, and Austria. Light from the Southward at most of the Russian stations. Variable in Spain and Italy; fresh from the Eastward in the west and south of France. Subsequently shifting to the Northward over Ireland and England, and blowing very strongly in the Irish Sea.

Barometer highest, 30·3 ins. and upwards in an anticyclone over central Russia; 30·1 ins. and upwards in another system lying off the south-west of Ireland. Lowest, 29·6 ins. and less in a well-marked depression over Denmark; 29·7 ins. and less in a shallow disturbance off the Portuguese coasts; 29·8 ins. and less in another shallow area over Turkey and Greece. Danish depression subsequently moving slowly south-eastwards; disturbance off Portuguese coasts spreading northwards over Bay of Biscay.

Monday, 25th February.

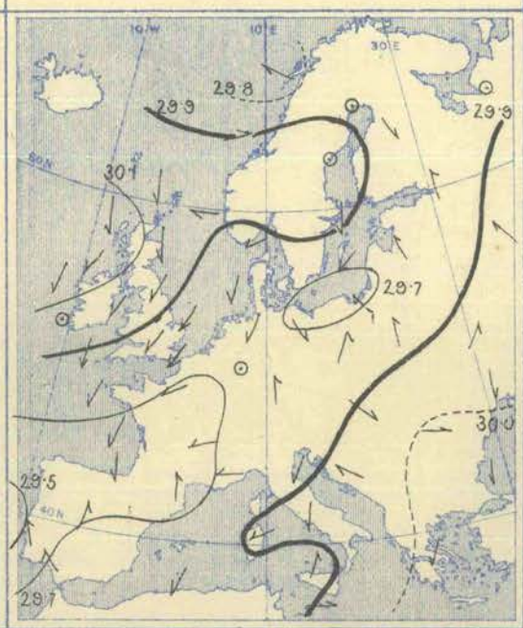
Temperature and Weather. 8 a.m.

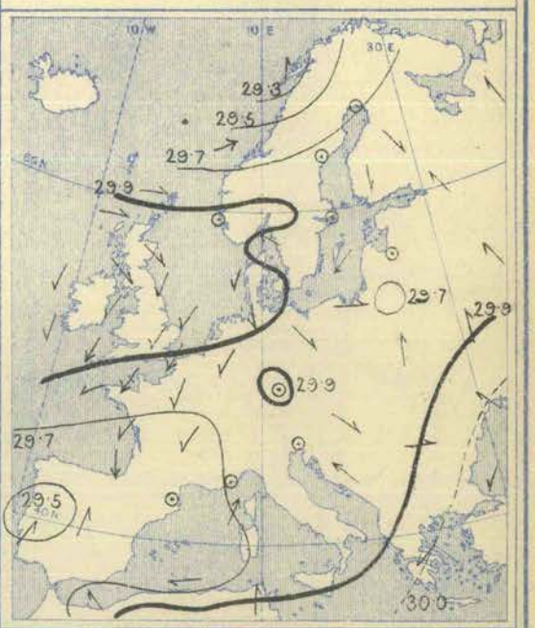


Weather fair, as a whole, over the British Islands, but dull in places, with slight snow in the south-east of England, much less fair over Spain, France, and Belgium, with snow in places and heavy rain in the south, unsettled over Germany, clear over Sweden, but dull and unsettled over Finmark. Heavy rain and snow over south-western and southern Europe later, the amounts being as large as 3·8 ins. at Gap and 1·5 ins. at Trieste. Slight snow showers locally in some parts of the United Kingdom, and a considerable fall of snow and rain over Norway.

Temperature fallen fast over northern and central Europe, less decidedly over England and Ireland. Morning readings still exceeding 50° on the southern sides of the Mediterranean and on the Portuguese coast, 50° at Biarritz, 41° at Scilly, 37° at Malin Head and Stornoway. Lowest, – 18° Fahr. to – 5° Fahr. over the north of Russia and Finland, + 10° to 21° at the remaining Russian stations, 9° to 20° over Austria and south Germany, 27° at Paris, 31° at Parsonstown, and 33° to 34° over central England. Not touching 40° over our southern and midland counties during day, and freezing sharply again at night over our Islands generally.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind (1) Northerly, light, over Scotland, North-Easterly, moderate to strong, over Ireland, England, the Baltic, the North Sea, and the English Channel, but South-Easterly to Southerly, light, over Spain; (2) South-Westerly to South-Easterly over the north of Norway, very variable over Russia and central Europe; (3) North-Easterly to Northerly over Italy, but South-Westerly at Palermo and Westerly at Malta. Increasing from South-West and South in the north-west of Norway later; backing to the Westward in the north of our Islands.

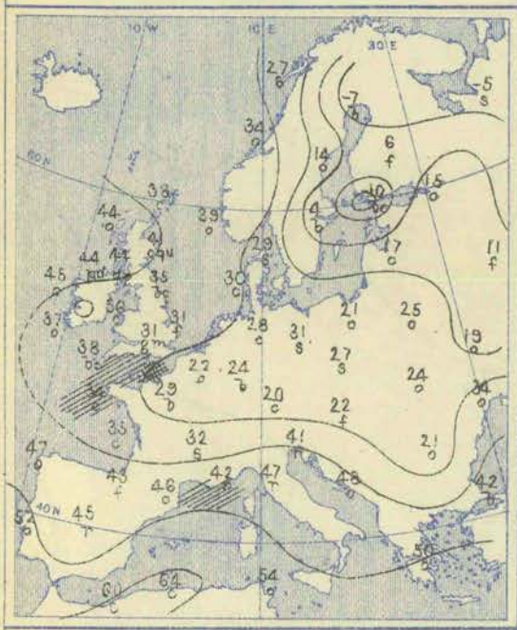
Barometer highest, (1) 30·0 ins. to 30·1 ins. and more over Scotland, Ireland, and all adjacent parts of the Atlantic, and exceeding 29·9 ins. over the central parts of Scandinavia; (2) exceeding 30·0 ins. over south-eastern Europe. Lowest, 29·5 ins. and less in a depression off the Portuguese coast; below 29·6 ins. in a secondary over the south-west of France; below 29·7 ins. in a shallow elongated system over northern Germany; and below 29·8 ins. in a new depression approaching the north-west of Norway from the north-westward. Latter system proving to be deep and moving south-eastward, Portuguese depression moving eastwards over the Peninsula.

Wyman & Sons, Ltd. Lith. 63, Carter Lane.

Tuesday, 26th February.

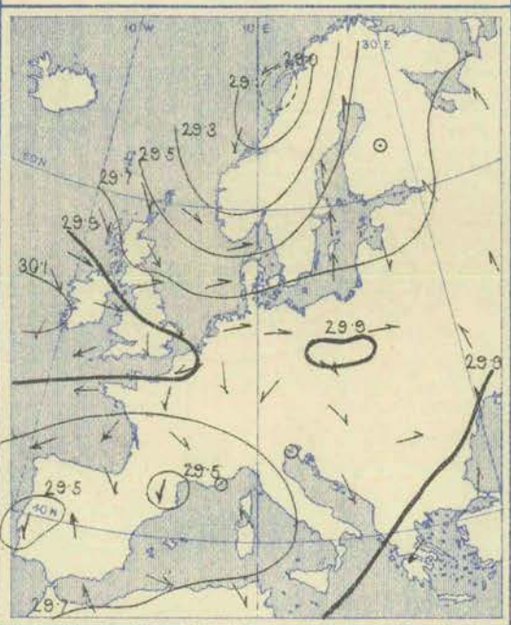
Temperature and Weather.

8 a.m.

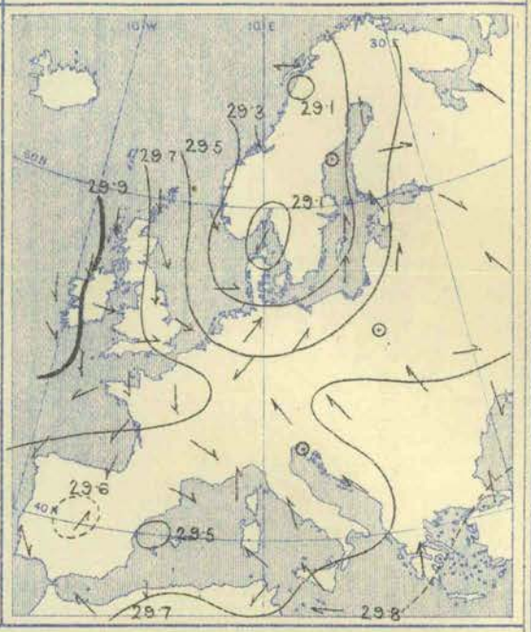


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the south-western and extreme southern parts of our Islands and the northern half of France, as well as at many of the Swedish stations; cloudy or overcast and unsettled elsewhere, with snow in Norway and over some parts of northern and central Europe, rain in the north of Italy, the south of France, and some parts of Spain. Further and considerable falls of rain later over the last-named regions, slight local falls of snow in various parts of our Islands, and large quantities over Scandinavia and the countries lying to the eastward of the North Sea. Further heavy fall of rain (0·9 in.) occurring at Gap.

Temperature risen somewhat over northern Europe and the north of our Islands, also over the Mediterranean and Adriatic. Morning readings highest, (1) 64° to 66° on the Algerian coasts, and exceeding 50° at the majority of the Mediterranean stations and at Lisbon; (2) 45° to 44° on our own north-western coasts, 38° at Scilly. Lowest, – 7° at Haparanda, – 5° at Archangel, + 6° at Kuopio, 11° at Moscow; (2) 20° at Munich, 21° at Hermanstadt, 28° at Paris; (3) 26° at Parsonstown, 29° at Dungeness, 31° in London. Rising over England and Ireland later, but falling again over England after midnight and sharp frost occurring.

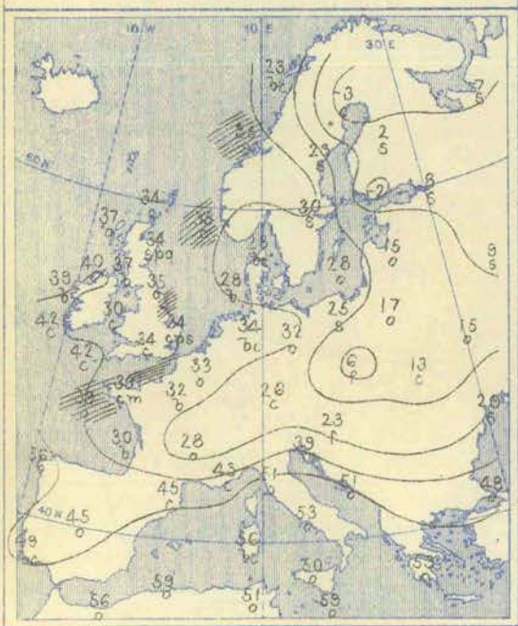
Wind North-Westerly to Westerly, fresh to strong, over the northern half of our Islands, Westerly to South-Westerly over the eastern side of the North Sea, Southerly over Sweden and the Gulf of Bothnia, but North-North-Easterly on the north-west coast of Norway. A separate cyclonic circulation reported over the Spanish Peninsula and the south of France. Subsequently veering to the Northward over all the more northern parts of our Islands and the North Sea, and increasing to a gale at Aberdeen; backing to the Westward in the south-east of England.

Barometer highest, 30·1 ins. in a small anticyclone lying off the south-west of Ireland; 29·9 ins. and less over Greece, Turkey, the Black Sea, and the south of Russia. Lowest, 29·0 ins. and less in a well-marked depression off the north-west of Norway; 29·6 ins. to 29·5 ins. and less in a shallow area over the Spanish Peninsula and the south of France. Norwegian depression subsequently moving southwards, and barometer falling briskly over England.

Wednesday, 27th February.

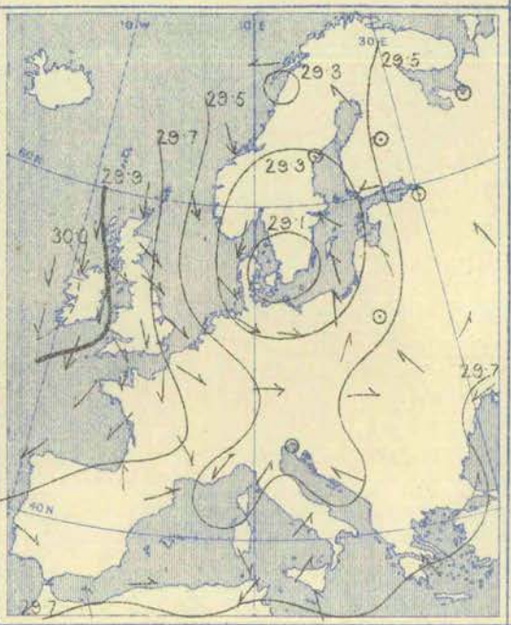
Temperature and Weather.

8 a.m.

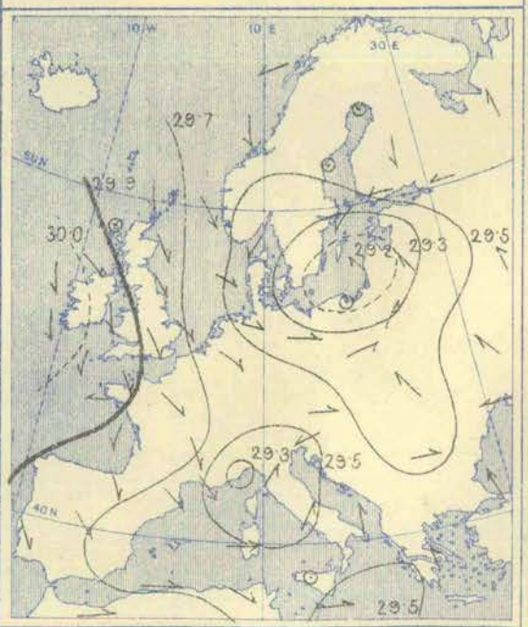


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the greater part of the United Kingdom, but cloudy on our extreme north and north-west coasts; snow showers reported at Aberdeen and Yarmouth. Cloudy or dull in most of the Continental countries, with snow in many parts of Scandinavia, Germany, and Russia, and with rain at Leghorn; fine in Denmark and also in France. Snow showers falling during day in the east and south-east of England generally, as well as over the Netherlands and central France; rain setting in over the north of Scotland at night.

Temperature fallen in the north of our Islands, as well as in France and Poland; risen in most other localities. Morning readings highest, 59° at Oran, Algiers, Sfax, and Malta, and 56° at Corunna and Cagliari, above 50° at the Mediterranean and Spanish coast stations generally. Lowest, – 7° Fahr. at Uleaborg and Archangel, – 3° at Haparanda, – 2° at Helsingfors, and + 2° at Kuopio; below the freezing point over northern, eastern, and central Europe generally. Daily maxima below 40° at several of our own northern, eastern, and south-eastern stations, but thermometer exceeding 45° on our extreme west and south-west coasts. Exceeding 55° in many parts of southern Europe and reaching 66° at Malta and 75° at Palermo.

Wind North-Westerly or Northerly over the greater part of western Europe; strong in force on the Norwegian and some of the more exposed parts of our own western coasts. South-Westerly over Germany and Italy; Southerly or South-Easterly over the western and central parts of Russia; Easterly over the Gulf of Finland and the north of Scandinavia. No important change occurring during day.

Barometer highest, 30·0 ins. and upwards in an anticyclone lying to the west of our Islands. Lowest, 29·1 ins. and less in a well-marked depression over the south of Sweden; 29·4 ins. and less in a shallow disturbance over the Gulf of Genoa. Swedish depression subsequently moving south-eastwards, new disturbance beginning to approach our Islands from the northward at night. Depression over Gulf of Genoa becoming more pronounced and spreading northwards over the south-east of France.

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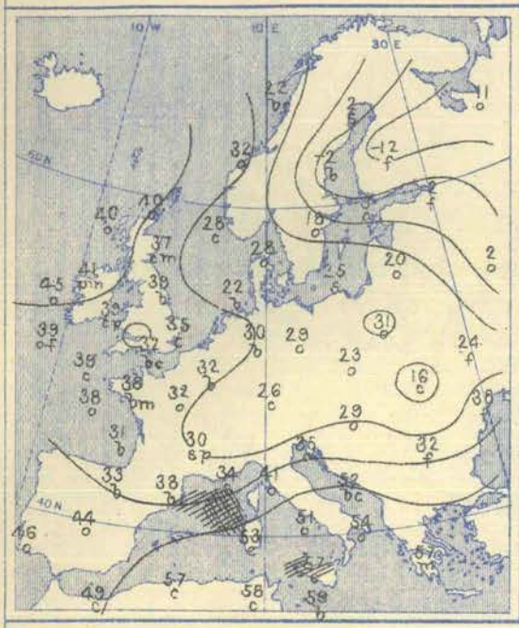
Thursday, 28th February.

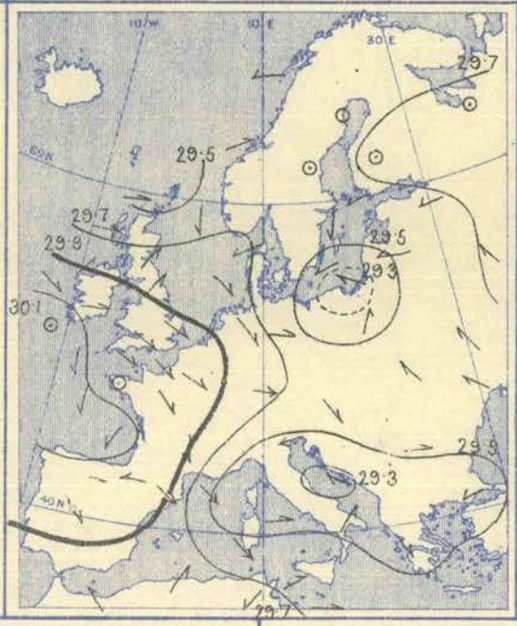
Temperature and Weather.

8 a.m.

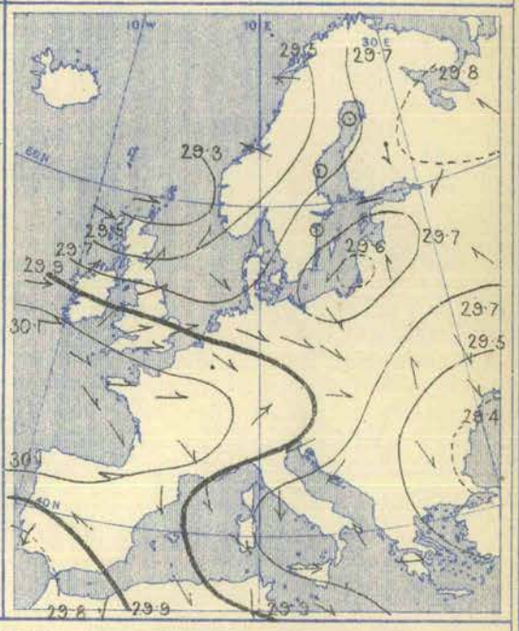


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the eastern and southern parts of the United Kingdom, as well as over Denmark, the Netherlands, and the north and west of France. Dull in nearly all other localities, with showers on some parts of our north-west coasts and with snow over Sweden and the Gulf of Finland, as well as in the south of France. Fog reported at several of the Russian and Austrian stations. Rain falling later in the west and north of our Islands generally, rather heavily in the north of Scotland. Lightning seen at Stornoway in evening, and a thunderstorm occurring at Naples.

Temperature risen in most parts of our Islands, as well as in Poland and Austria; fallen in nearly all other countries. Morning readings highest, 59° at Malta, 58° at Tunis, and 57° at Athens, Palermo, Oran, and Algiers. Lowest, – 12° Fahr. at Kuopio, – 11° at Archangel, – 2° at Hernösand, and + 2° at Haparanda, Ulealborg, St. Petersburg, and Moscow; below the freezing point over northern, eastern, and central Europe generally, as well as over central England. Rising during day to 45° and upwards in most parts of the United Kingdom; remaining below 40° over the Netherlands and also in Germany and central Europe.

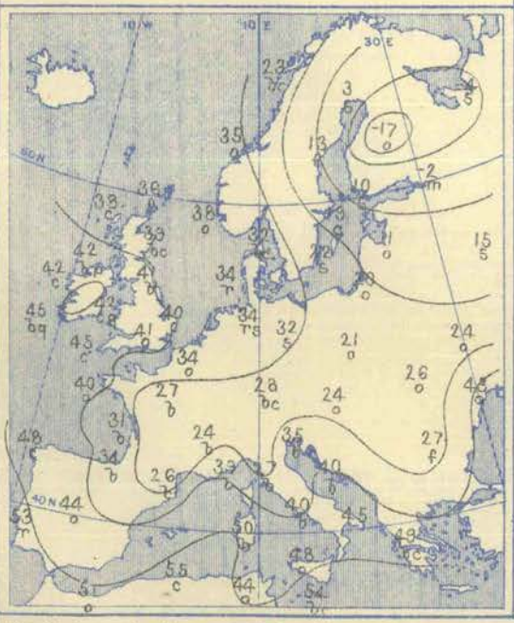
Wind light to moderate from the Westward or South-Westward over the northern parts of the United Kingdom; light from the North-Westward on our southern coasts and also over Denmark, the Netherlands, and the north of France; Easterly or South-Easterly in Russia, but Westerly over Germany, Austria, and Italy. Subsequently increasing to a strong breeze from the Westward on our extreme north-west coasts; backing to West or South-West in the south of our Islands. Shifting to the Eastward in the west of Norway.

Barometer highest, 30·1 ins. and upwards in an anticyclone lying over the Bay of Biscay and the extreme south-west of our Islands. Lowest, 29·3 ins. and less in a depression over the Adriatic, 29·4 ins. and less in another disturbance over the Baltic Provinces; 29·5 ins. and less in a third system lying to the northward of the Shetlands. Last-mentioned system spreading southwards later and barometer falling in most parts of north-western Europe. Depression over Baltic Provinces beginning to fill up.

Friday, 1st March.

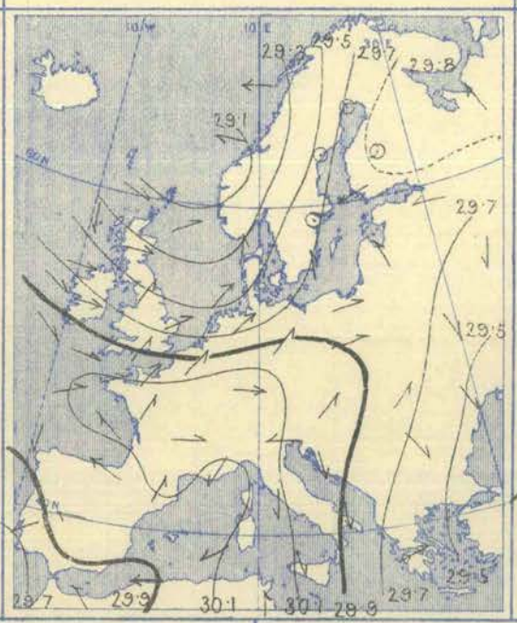
Temperature and Weather.

8 a.m.

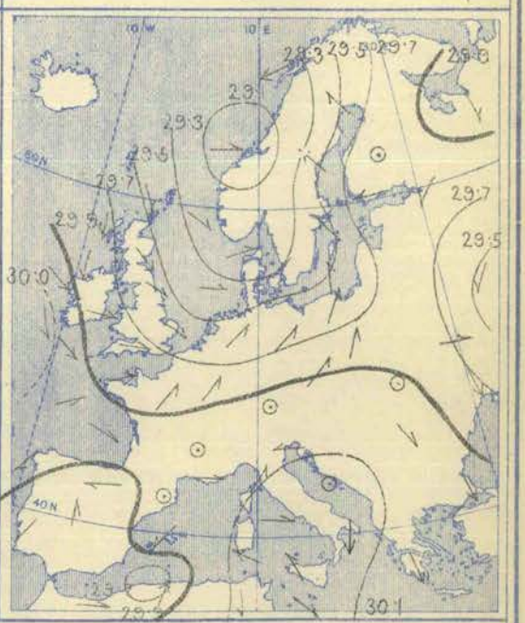


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over Ireland and the northern parts of Great Britain; dull in the southern parts of England, with rain in places. Fine and bright over France and Italy, but dull in most of the other Continental countries with local fogs; rain falling in Denmark and Holland and snow over north Germany, as well as at some of the Russian stations. Showers of rain or hail falling during during day in many parts of England and Ireland and snow in the north of Scotland. Faint aurora seen at Nairn. Snow falling in some of the northern and central countries, and heavy rain in the south of Spain.

Temperature fallen in most parts of southern Europe, as well as in Finland and the north and west of Scotland; risen in most other localities. Morning readings highest, 57° at Oran, 55° at Algiers and Sfax, and 54° at Malta. Lowest, – 17° Fahr. at Kuopio, – 4° at Archangel, – 2° at St. Petersburg, + 3° at Haparanda, and 4° at Helsingfors, below the freezing point in most parts of northern, eastern, and central Europe, as well as over northern Italy. Rising during day to 45° and upwards in most parts of the United Kingdom, and reaching 50° at Prawle Point, falling fast, however, at night and frost occurring over Great Britain.

Wind moderate to strong from the North-Westward on our extreme western and northern coasts, but Westerly or South-Westerly in most other parts of the Kingdom, South-Westerly or Southerly over the Netherlands, Germany, Denmark, and the south of Scandinavia; Easterly in the west of Norway. Varying between East and North over Russia; Westerly in Austria, Northerly in Italy, with a moderate gale at Brindisi, Easterly over the Spanish Peninsula and the west of France. Subsequently veering to the North-Westward in all but the south-eastern parts of the United Kingdom, and blowing very strongly in the north of Scotland. South-Easterly winds springing up in Sweden, with a gale at Hernösand.

Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone of irregular form lying over France and northern Italy and extending southwards as far as Tunis. Lowest, 29·1 ins. and less in a large depression lying off the west of Norway, 29·4 ins. and less in a shallow disturbance over the extreme south of Russia, 29·7 ins. and less in a system off the south-west of Spain. Depression off west of Norway subsequently moving slowly eastwards, and barometer rising briskly over the northern parts of our Islands.

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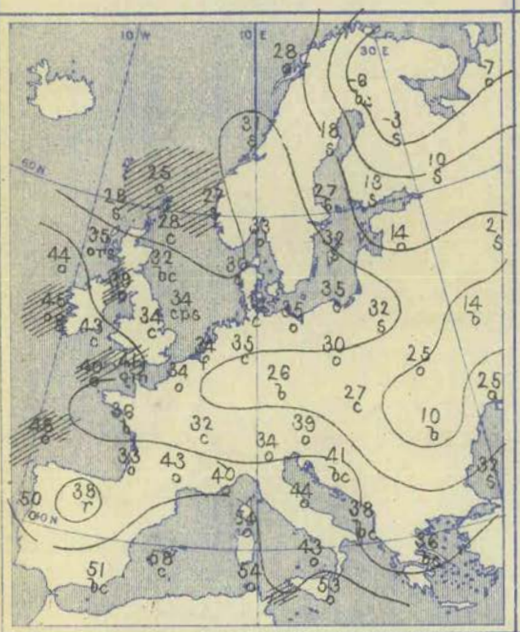
Saturday, 2nd March.

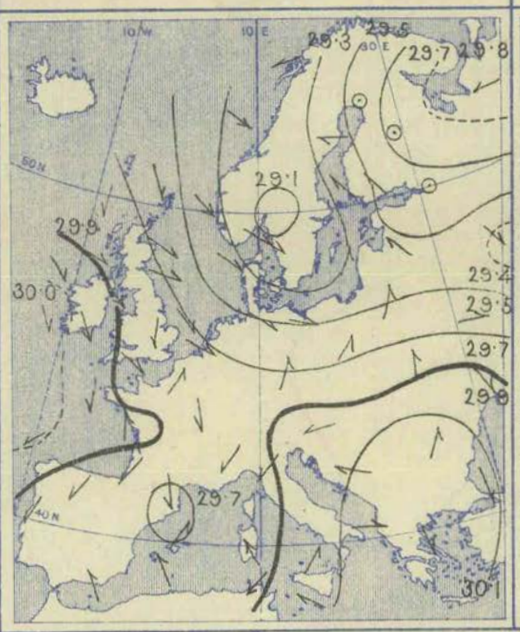
Temperature and Weather. 8 a.m.



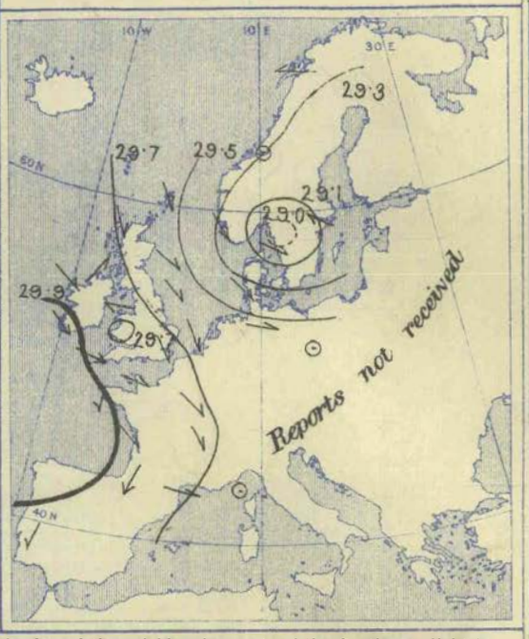
Weather fair or fine over the greater part of the United Kingdom, but snow reported on our extreme north-west and south-east coasts. Cloudy or overcast in nearly all the Continental countries, with snow in many parts of Russia and Scandinavia and with rain at some of the Spanish stations. Fine over Greece and the southern parts of the Adriatic. Snow, sleet, or hail falling during day in many parts of western Europe and rain in the south of France.

Temperature fallen in our Islands, as well as in Norway, Spain, Austria, and the south of Russia, risen in most other localities. Morning readings highest, 58° at Algiers and Sfax, 57° at Oran, 55° at Palma, and 54° at Cagliari and Tunis. Lowest, – 7° Fahr. at Archangel, – 6° at Haparanda, – 3° at Kuopio, and – 1° at Uleaborg; considerably below the freezing point in most parts of northern and eastern Europe, and slightly below it in the north of Scotland. Daily maxima below 40° in many parts of the United Kingdom, and below 35° in the north and east of Scotland; thermometer exceeding 50° in the south of France and reaching 59° at Lisbon.

Barometer and Wind. 8 a.m.



6 p.m.



Wind North-Westerly over our Islands and the neighbouring parts of the Continent; light to moderate in force generally, but blowing a gale at Skudesnaes. Moderate from the Westward or South-Westward over Germany and the Baltic; Easterly over the northern parts of Russia and Scandinavia. Variable over Italy; light to moderate from the North-Eastward over Spain and the south of France. No important change occurring over western Europe during day.

Barometer highest, 30·1 ins. and upwards in an anticyclone over south-eastern Europe; 30·0 ins. and upwards in another system extending from the Atlantic over the extreme south-west of Ireland and the north-west of Spain; 29·8 ins. and upwards in the extreme north of Russia. Lowest, 29·1 ins. and less in a well-defined depression over the south of Scandinavia; 29·7 ins. and less in a shallow disturbance over the Balearic Islands. Norwegian depression remaining almost stationary throughout day; shallow secondary systems moving southwards or south-eastwards across the United Kingdom.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➙ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week a well-marked depression lay over Denmark, the main disturbance being accompanied by several secondaries, one of which moved south-eastwards across Great Britain. In the rear of the latter an anticyclone appeared off our extreme north-west coasts, but, after the 25th February, this system passed away to the south-west of our Islands, and, for the remainder of the time, the weather was influenced partly by two large depressions, which advanced in a south-easterly and southerly direction across Scandinavia and Denmark, and partly by small secondary disturbances which moved in a similar course over our Islands and France. The prevailing winds over western Europe were, therefore, North-Westerly, and the weather very changeable, with frequent showers in our Islands, and with snow in all the more northern and central parts of the Continent. In the eastern parts of Europe the wind was either variable or light from points between South and East. On the 28th February and 1st March, when the centre of one of the main depressions lay off our extreme northern coasts, the prevailing winds in our Islands were Westerly and the weather fairly mild, the thermometer rising to a maximum of 45° and upwards in nearly all districts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 50.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	24·0	?	23	?	EASTBOURNE	25·4	?	34	?
OSWALDKIRK (Yorkshire)	26·8	?	37	?	MANCHESTER (Oldham Road	8·8*	?	12*	?
WORKSOP	20·5	+ 2·8	28	+ 3	TENBY		?		?
THURCASTON (Leicestershire)	15·8	– 0·3	21	– 1	NEWQUAY	32·0	?	43	?
MARGATE	18·6	?	25	?	TORQUAY	43·6*	?	58*	?
WESTBOURNE (Sussex)	37·6*	?	51*	?	ARLEY COTTAGE (County Cavan)	19·0	?	26	?
BRIGHTON	30·0	?	41	?	GUERNSEY	35·3*	?	47*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 10.] *Third Series.* WEEK ENDING SATURDAY, MARCH 9TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 56.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	20	43·0	31·9	37·3	1 below	3	- 3	35	+ 1	3	- 59	668	+333
	1. SCOTLAND, EAST	54	18	41·8	31·1	36·3	2 below	0	-12	40	+ 6	0	- 90	835	+464
	2. ENGLAND, N.E.	46	22	41·3	30·9	35·0	4 below	0	-13	42	+11	0	- 91	677	+341
	3. ENGLAND, EAST	50	23	41·6	29·9	35·5	5 below	0	-16	46	+13	0	- 98	734	+352
	4. MIDLAND COUNTIES	49	19	41·5	29·9	35·5	5 below	0	-18	46	+14	0	-118	806	+434
	5. ENGLAND, SOUTH	49	22	41·3	30·5	35·7	6 below	0	-19	44	+18	8	-126	670	+381
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	48	21	42·7	33·1	37·8	3 below	2	- 9	31	+ 5	4	- 93	677	+405
	7. ENGLAND, N.W.	49	21	42·0	32·1	36·9	4 below	0	-12	36	+10	0	- 92	641	+361
	8. ENGLAND, S.W.	52	16	43·5	32·9	38·0	4 below	4	-15	32	+11	21	-141	587	+374
	9. IRELAND, NORTH	52	25	45·4	33·7	39·4	2 below	10	- 7	30	+ 7	17	-128	562	+319
	10. IRELAND, SOUTH	53	25	47·2	34·9	40·9	3 below	15	- 8	27	+ 9	28	-182	439	+253
	—CHANNEL ISLANDS	53	32	45·9	37·3	41·4	4 below	11	-12	18	+10	69	-153	342	+262

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 56.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	3	6 less	42	- 9	5·9	- 6·3	16	- 4	22	- 5	150	+ 30	25	+ 5
	1. SCOTLAND EAST	4	3	2 less	35	- 3	4·4	- 1·7	17	- 4	22	- 6	147	- 4	25	- 1
	2. ENGLAND, N.E.	5	7	2 more	45	+ 9	6·2	+ 1·9	11	- 9	14	-13	169	+ 41	26	+ 6
	3. ENGLAND, EAST	5	5	1 more	41	+ 5	4·4	0·0	20	- 2	26	- 3	163	+ 14	26	+ 3
	4. MIDLAND COUNTIES	4	5	1 more	30	- 5	4·1	- 1·1	14	- 7	18	- 9	162	+ 30	25	+ 4
	5. ENGLAND, SOUTH	5	5	1 more	31	- 3	3·7	- 1·8	23	- 3	29	- 3	183	+ 28	26	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	6	3 less	32	-11	3·7	- 8·1	23	+ 3	30	+ 4	179	+ 55	29	+ 9
	7. ENGLAND, N.W.	5	5	0 (average)	33	- 6	4·0	- 2·4	16	+ 1	21	+ 2	139	+ 43	27	+ 7
	8. ENGLAND, S.W.	5	7	0 (average)	34	- 6	5·6	- 2·9	24	- 2	31	- 2	215*	+ 54	33	+ 9
	9. IRELAND, NORTH	6	6	0 (average)	40	- 5	5·2	- 1·9	26	+ 6	33	+ 8	178	+ 44	29	+ 7
	10. IRELAND, SOUTH	5	11	4 more	37	- 5	7·1	- 1·5	32	+ 8	41	+10	193	+ 32	30	+ 5
	—CHANNEL ISLANDS	6	7	1 more	42	- 3	5·8	- 1·3	28	- 4	35	- 4	237	+ 74	41	+ 11

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was rather unsettled, cloudy skies and somewhat frequent rain having been experienced generally. In the western and north-western parts of the Kingdom, however, intervals of bright sunshine were more prevalent than elsewhere.

Temperature was again low during the earlier days of the period, but subsequently rose considerably; the average values for the week were, however, still below the mean in all districts. Over eastern, southern, and central England the deficit was as much as 5° or 6°, while in Ireland and the greater part of Scotland it was no more than 2° or 3° and in Scotland N. only 1°. The highest of the maxima were registered either on the 7th or 8th, when they varied from 54° in Scotland E. and 53° in Ireland S. and the Channel Islands to 48° in Scotland W. and to 46° in England N.E. The lowest of the minima were recorded either on the 3rd or 4th, when the thermometer fell to 16° in England S.W., to 18° in Scotland E., 19° in the Midland Counties, and to between 20° and 25° in nearly all other districts; in the Channel Islands, however, the lowest reading was 32°.

Rainfall exceeded the mean somewhat in Ireland S., the Channel Islands, and all the southern eastern, and north-eastern parts of England; in most other districts the fall either equalled or was a little less than the normal. In Scotland N., however, the deficit was large.

Bright Sunshine was less prevalent generally than during the preceding week, but exceeded the mean in Scotland W., England N.W., and over Ireland. The percentage of the possible duration ranged from 21 to 41 in the "Grazing" districts, and from 14 to 29 in the "Wheat-producing" districts.

Barometer and Wind.—During the earlier part of the week the barometer was highest in the west and lowest in the east, the winds in our Islands being from the Northward. By Tuesday, however, a depression had appeared to the northward of Scotland and the winds were backing to the Westward very generally. As this disturbance passed away a fresh fall of the barometer set in over the western districts. The wind consequently backed to the Southward or South-Eastward on all our coasts and increased somewhat in force. At the end of the period a depression was lying off our south-western coasts and the wind showed a tendency to become more Easterly.

607 1 | 90 W. & S., Ltd.
213 70 3 | 95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 55 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	21	42·7	32·4	37·4	- 0·7	2	33	5	0·56	-0·12	*	*	*	*
	Stornoway	48	24	43·9	32·0	37·8	- 1·5	5	35	6	0·35	-0·55	15·7	- 4·6	21	- 5
	Wick	48	23	41·7	32·4	36·9	- 1·8	0	36	3	0·22	-0·28	*	*	*	*
	Glencarron Ⓢ	50	20	43·3	29·6	36·3	- 1·0	4	43	4	0·51	-0·39	*	*	*	*
	Fort Augustus Ⓢ	49	23	43·4	31·6	37·3	- 1·3	4	36	3	0·08	-0·67	13·7	?	18	?
	Fort William Ⓢ	48	26	42·9	33·5	38·1	- 1·6	3	30	4	0·22	-1·35	14·7	?	26	?
1. SCOTLAND, E.	Nairn	51	24	44·9	29·9	37·2	- 1·9	8	43	5	0·17	-0·21	*	*	*	*
	Aberdeen	49	22	42·7	32·0	37·2	- 2·1	2	34	4	0·50	-0·08	17·7	- 4·7	23	- 6
	Braemar Ⓢ	43	18	37·2	28·5	32·7	- 3·1	0	65	3	0·30	-0·30	11·2†	?†	15†	?†
	Ochtertyre Ⓢ	54	26	44·1	3 ·1	37·9	- 0·4	6	35	3	0·42	-0·28	*	*	*	*
	Leith	47	27	44·3	32·7	38·3	- 2·3	6	33	4	0·14	-0·18	*	*	*	*
	Marchmont Ⓢ	40	26	37·4	31·3	34·3	- 3·6	0	54	3	0·21	-0·37	19·5	?	26	?
2. ENGLAND, N.E.	Alnwick Castle	45	25	40·7	32·1	36·3	- 2·7	0	40	6	0·57	+0·04	*	*	*	*
	Durham	44	22	40·1	30·2	35·0	- 4·1	0	49	6	0·67	+0·22	9·4	-11·7	12	-16
	Shields	46	24	41·9	31·0	36·3	- 3·8	0	46	6	0·5	+0·13	*	*	*	*
	Scarborough Ⓜ	45	25	44·6	30·9	37·6	- 2·7	7	40	4	0·54	+0·14	*	*	*	*
	York	46	22	41·6	30·0	35·6	- 4·4	0	45	6	0·67	+0·27	12·7	- 6·6	16	-10
	Spurn Head	43	27	38·6	31·4	34·9	- 5·0	0	50	4	0·95	+0·65	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	48	24	42·3	30·7	36·3	- 3·9	1	38	6	0·73	+0·33	18·4	- 3·6	24	- 4
	Yarmouth	40	24	37·9	29·9	33·8	- 5·4	0	57	4	0·41	-0·02	*	*	*	*
	Geldeston	44	23	41·1	29·1	34·9	- 5·4	0	50	5	0·56	+0·18	22·5	- 1·7	29	- 2
	Cambridge	50	25	44·6	29·9	37·0	- 3·6	7	42	4	0·33	+0·01	22·0	- 1·0	28	- 2
	Rothamsted	47	24	41·9	29·7	35·6	- 4·2	0	45	4	0·42	0·00	17·0	?	22	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	46	26	41·4	32·6	36·9	- 3·4	0	36	2	0·52	+0·12	*	*	*	*
	Loughborough	46	24	42·9	30·7	36·6	- 4·2	3	39	4	0·40	+0·03	*	*	*	*
	Stamford (Ketton Hall)	45	25	42·7	30·6	36·5	- 4·6	2	39	6	0·47	+0·19	*	*	*	*
	Cheadle Ⓜ	42	23	39·6	29·1	34·2	- 5·0	0	55	4	0·68	+0·08	*	*	*	*
	Solihull	44	24	39·9	30·0	34·8	- 5·3	0	50	5	0·84	?				
	Churchstoke Ⓜ	48	20	41·4	29·0	35·0	- 4·7	0	49	4	0·44	-0·06	13·4	- 7·6	17	-10
	Hereford Ⓜ	49	20	42·3	?29·9	?35·9	? - 5·6	1	?36	5	0·42	+0·02	*	*	*	*
	Cirencester	47	19	40·9	27·3	34·9	- 5·7	0	57	4	0·33	-0·18	20·4	- 2·5	26	- 3
	Oxford	47	23	42·6	29·7	36·0	- 4·8	2	42	4	0·28	-0·11	18·0	- 4·0	23	- 5
5. ENGLAND, S.	London	49	25	43·1	30·6	36·7	- 4·9	3	40	4	0·27	-0·08	14·6†	- 1·4†	19†	- 1†
	North Foreland	42	27	38·4	30·6	34·4	- 6·4	0	53	3	0·31	?	*	*	*	*
	Strathfield Turgiss Ⓜ	47	24	43·0	29·8	36·2	- 4·8	3	42	5	0·27	-0·13	*	*	*	*
	Dungeness	43	22	39·0	29·1	33·9	- 7·1	0	57	5	0·41	+0·01	*	*	*	*
	Hastings (St. Leonards)	43	25	39·5	30·7	35·0	- 6·7	0	49	6	0·83	+0·40	27·5	- 0·3	35	0
	Southampton	49	26	43·9	31·7	37·6	- 4·7	5	36	3	0·51	+0·08	18·5	- 6·5	24	- 8
	Hurst Castle	45	25	42·0	31·9	36·8	- 5·1	0	36	5	0·57	+0·12	*	*	*	*
	Stowell Ⓜ	46	24	41·2	29·2	35·0	- 5·6	0	49	5	0·73	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	21	43·5	32·5	37·8	- 2·9	4	33	5	0·78	0·78	*	*	*	*
	Glasgow	47	29	42·1	33·4	37·6	- 2·3	0	29	3	0·19	-0·42	15·3	- 1·2	20	- 1
	Ardrossan	48	30	44·1	34·1	39·0	- 1·8	6	28	4	0·29	-0·38	*	*	*	*
	Glenlee Ⓢ	48	26	41·1	30·6	35·7	- 3·1	0	44	5	1·31	+0·42	*	*	*	*
	Douglas (Isle of Man)	48	27	42·7	34·9	38·7	- 2·4	2	35	5	0·39	-0·29	29·9	+ 5·8	39	+ 3
7. ENGLAND, N.W.	Stonyhurst	43	25	40·1	30·7	35·3	- 4·5	0	47	5	0·23	-0·57	18·1	- 1·9	24	- 2
	Blackpool Ⓜ	47	24	42·7	30·9	36·6	- 4·1	2	38	6	0·40	-0·10	20·1	+ 0·4	26	+ 1
	Manchester (Prestwich)	45	21	40·9	29·2	34·9	- 5·1	0	50	5	0·67	+0·10	6·7	?	9	?
	Liverpool Obsy. (Bidston)	46	28	41·4	32·1	36·6	- 4·5	0	38	5	0·76	+0·38	*	*	*	*
	Llandudno Ⓜ	48	28	43·1	34·1	38·5	- 4·1	3	28	6	0·46	-0·01	24·1	+ 4·2	31	+ 6
	Holyhead	49	30	43·7	35·3	39·4	- 3·2	5	24	5	0·49	-0·05	*	*	*	*
8. ENGLAND, S.W.	Llandovery	51	16	41·3	28·0	35·9	- 6·0	6	49	5	0·44	-0·43	*	*	*	*
	Pembroke	46	33	42·4	36·1	39·2	- 3·4	1	21	4	1·01	+0·42	25·4	- 0·6	33	0
	Bristol (Montpelier)	47	28	44·1	32·2	38·0	- 3·6	6	35	3	0·28	-0·30	*	*	*	*
	Arlington (N. Devon)	46	28	41·3	31·0	36·0	- 4·6	0	42	5	0·70	-0·20	*	*	*	*
	Cullompton Ⓜ	50	27	43·3	32·6	37·8	- 3·8	4	33	5	0·90	+0·27	14·5	- 9·0	19	-12
	Falmouth	52	33	46·6	36·1	41·2	- 3·0	13	23	5	0·91	+0·11	34·0	+ 7·2	44	+10
	Plymouth	47	29	44·3	33·7	38·8	- 4·8	6	29	5	0·76	+0·16	21·4	- 5·3	27	- 7
	Prawle Point	46	27	41·9	33·1	37·4	- 5·3	0	32	5	0·59	+0·14	*	*	*	*
9. IRELAND, N.	Malin Head	48	31	44·0	36·0	39·9	- 2·7	6	22	5	0·30	?	*	*	*	*
	Londonderry	51	30	45·9	34·4	40·0	- 1·8	11	28	7	0·63	+0·01	*	*	*	*
	Edenfel (Omagh)	50	25	45·0	31·7	38·2	- 2·4	8	37	6	0·53	0·00	*	*	*	*
	Belmullet	50	34	46·3	37·1	41·6	- 2·3	12	19	6	0·90	?	*	*	*	*
	Markree Castle	52	27	46·9	32·9	39·7	- 1·6	14	34	6	0·78	+0·18	22·7	+ 2·3	29	+ 3
	Brookeborough	50	26	45·7	32·4	38·9	- 1·4	10	35	5	0·61	-0·04	*	*	*	*
	Armagh	48	26	45·1	33·5	39·1	- 1·7	9	31	5	0·41	-0·09	30·1	+10·9	39	+14
	Donaghadee	50	30	44·3	33·1	38·5	- 3·2	6	31	6	0·48	-0·02	*	*	*	*
	Edgeworthstown	50	26	45·8	32·0	38·7	- 1·9	11	36	5	0·59	-0·06	*	*	*	*
10. IRELAND, S.	Dublin	49	30	44·6	35·1	39·7	- 3·2	7	25	5	0·41	-0·09	32·4	+ 9·4	42	+12
	Parsonstown	53	26	47·4	31·7	39·3	- 2·5	15	38	5	0·70	+0·20	27·7	+ 4·7	36	+ 7
	Kilkenny	51	28	46·0	32·9	39·3	- 2·2	11	34	5	0·86	+0·35	*	*	*	*
	Roche's Point	50	33	47·1	36·9	41·9	- 2·0	14	21	4	1·49	+0·59	*	*	*	*
	Valencia	52	34	48·6	38·0	43·1	- 1·8	25	11	6	1·66	+0·66	34·3	+ 8·4	44	+11
	Killarney	53	25	49·0	32·0	40·3	- 4·2	20	39	6	1·79	?	*	*	*	*
	Foynes	52	31	47·5	37·5	42·4	- 0·8	22	13	5	0·95	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	37	48·1	39·4	43·6	- 2·2	22	7	5	0·91	+0·36	32·9	?	42	?
	Jersey	49	32	43·6	35·1	39·2	- 4·7	4	24	6	0·47	-0·12	26·2	- 4·1	34	- 4

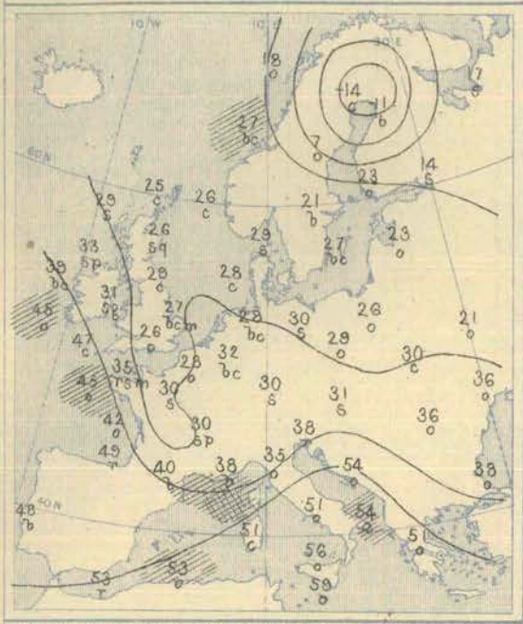
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

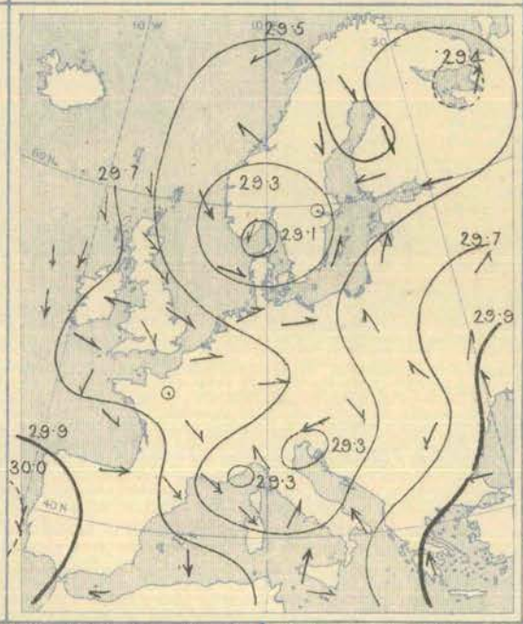
† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 3rd March.

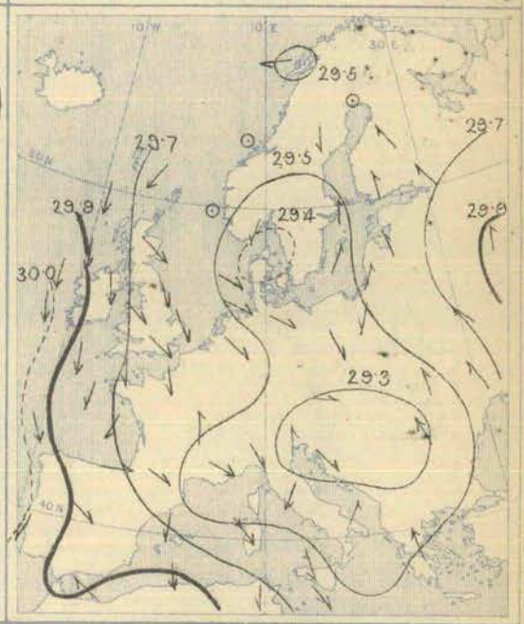
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of our Islands, dull in the south-west and south, with slight snow in several places, as well as over France, central Europe, and the Gulf of Finland; rainy at some of the Algerian stations. Rain or wet snow later in almost all parts of central and southern Europe, amounts large in many places, 2 ins. at Rome, an inch at Trieste.

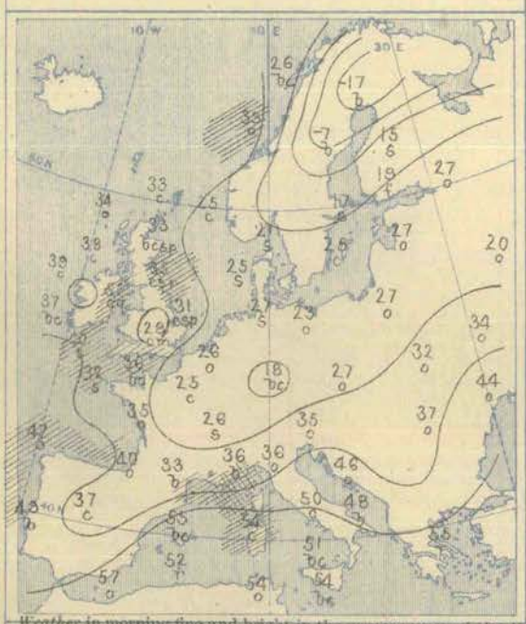
Temperature risen very rapidly over the south of Russia, and less decidedly over northern Europe; fallen over the British Islands. Morning readings exceeding 55° at several stations on the southern side of the Mediterranean and exceeding 40° on the Atlantic coasts of France and the British Islands, much lower elsewhere. Lowest, (1) − 14° Fahr. at Haparanda, − 4° at Kuopio, + 7° at Hernösand, 23° at Moscow, Riga, and Swinemunde, 25° at Münster; (2) 25° at Sumburgh Head, 26° at York and in London. Rising later to between 40° and 45° on the coasts of Ireland and Brittany, but not touching 40° at most of our stations; exceeding 55° in the south of Spain, and exceeding 60° on the southern shores of the Mediterranean.

Wind extremely variable. Easterly over the north-west of Norway, Northerly over Scotland and Ireland, North-Westerly to Westerly over the Bay of Biscay and Spain. Separate cyclonic circulation of strong winds (1) round a depression over the Kattegat, and (2) over a complex system covering the north-eastern parts of the Mediterranean and the northern parts of Italy and the Adriatic. A small secondary circulation over our own western districts also. Northerly wind becoming general in our Islands later, and strong North-Westerly gales blowing in Sardinia and Corsica.

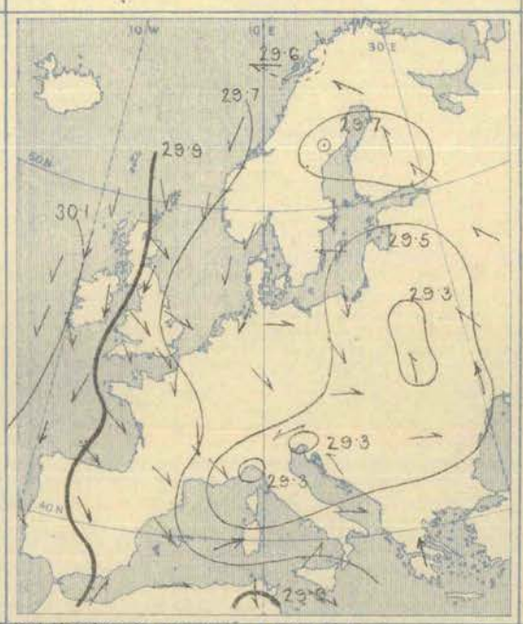
Barometer highest, 30·0 ins. to 29·8 ins. (1) over the south of Russia, and (2) over the Spanish Peninsula; exceeding 29·8 ins. over the west of Ireland. Lowest, below 29·1 ins. over the Kattegat, and below 29·3 ins. over the north-eastern part of the Mediterranean and the northern part of the Adriatic. Rising in our Islands later and the depressions named above moving their position, that in the north filling up.

Monday, 4th March.

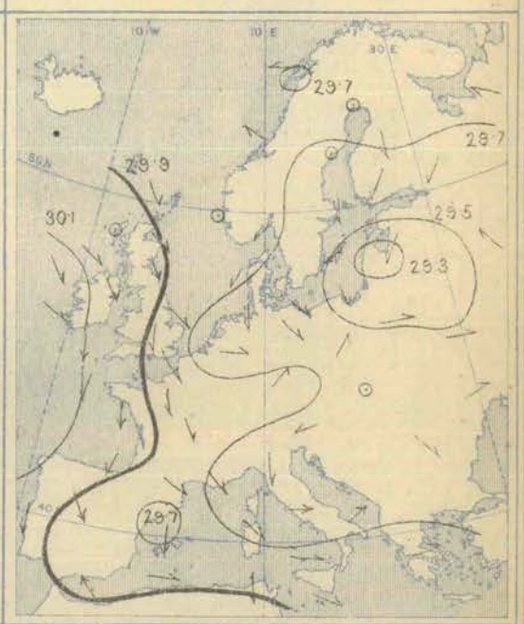
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in the western parts of the United Kingdom, as well as in the north of Scandinavia and the southern parts of France and Germany. Cloudy or overcast elsewhere, with snow showers over the eastern and central parts of Great Britain, and steady falls over Holland, Denmark, north Germany, Carlstadt, and Lyons, rain falling at Bilbao, Rome, and Nicolajeff. Snow showers falling during day in most parts of Great Britain and many parts of the Continent; much rain over Algeria. Solar halo seen at Wick and a lunar halo at Oxford.

Temperature risen in all but the south-western parts of the United Kingdom, but fallen at most of the Continental stations. Morning readings highest, 57° at Nemours, 56° at Oran, 55° at Palma and Athens, and 54° at Cagliari, Patras, Malta, and Sfax. Lowest, − 17° Fahr. at Haparanda, − 8° at Uleaborg, − 7° at Hernösand, and + 15° at Kuopio, considerably below the freezing point over northern and central Europe generally, and slightly below it in many parts of the United Kingdom. Daily maxima below 40° over a large portion of Great Britain and France, but thermometer reaching 48° at Nice, 55° and more over south of Italy. Frost occurring in most parts of Great Britain at night.

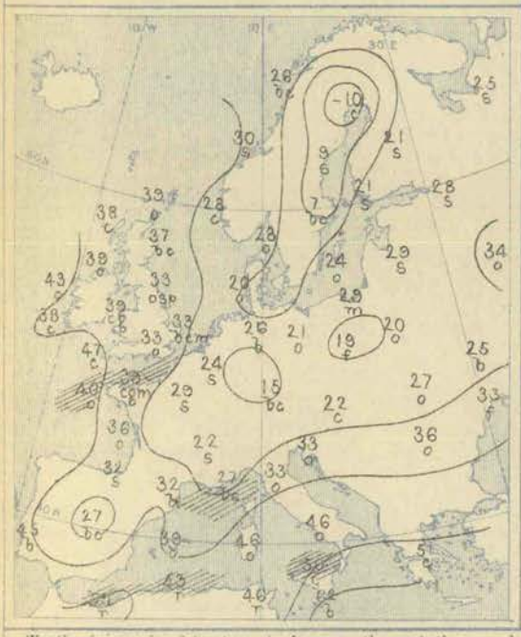
Wind Northerly over western Europe generally and light to fresh in force, but blowing a moderate gale at the mouth of the English Channel. Light from the Eastward or South-Eastward over the north of Scandinavia and the northern and central parts of Russia, but Westerly in Germany; North-Westerly over the Spanish Peninsula, the extreme south of France, and the neighbouring parts of the Mediterranean, with a gale at Bilbao and Sanguinaire; moderate to strong from the South-Westward in Italy. Subsequently backing to the North-Westward on our extreme north coasts, no important change elsewhere.

Barometer highest, 30·1 ins. and upwards in a large anticyclone lying to the westward of our Islands; 29·8 ins. and upwards over central Russia. Lowest, 29·3 ins. and less in three depressions, one lying over Poland and Galicia and the other two respectively over the Gulf of Genoa and the northern part of the Adriatic. Barometer rising in most parts of western Europe during day, but fall setting in on our extreme north and north-west coasts in evening.

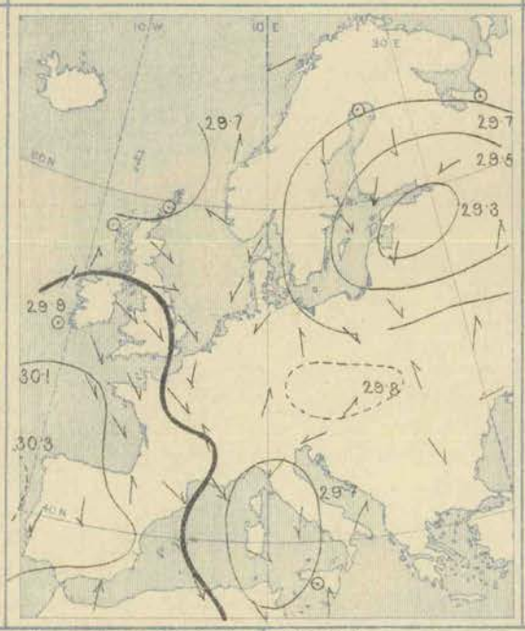
Wyman & Sons, Ltd. Lith.

Tuesday, 5th March.

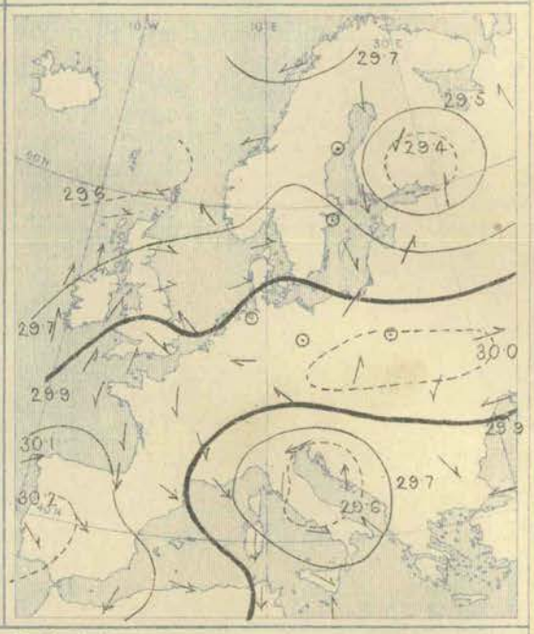
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fair at most of our southern stations, and in the north-east of Scotland; cloudy in other parts of the United Kingdom, with snow showers in the north and east of England. Fine and bright in Spain, the extreme south of France, and the west and south of Germany; cloudy or dull in most other parts of the Continent, with snow in many places. Raining on the Algerian coasts; snow at Aumale. Rain falling later at many of our own western, northern, and southern stations, and snow or rain in the south of France; amounts large at Valencia (Ireland), Biarritz, Nemours, and Brindisi.

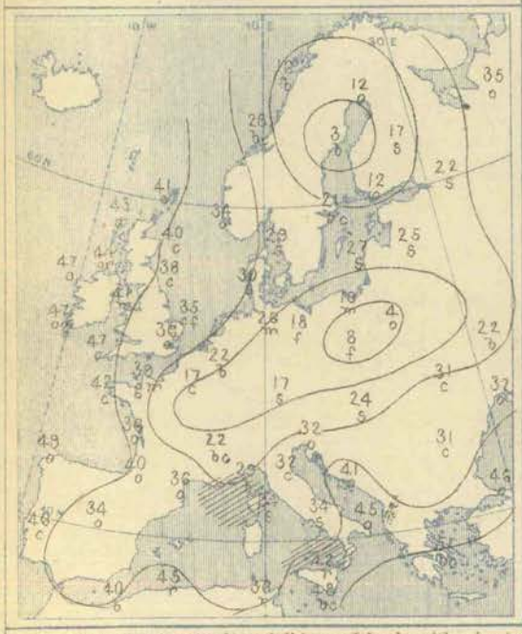
Temperature risen in our islands, as well as over the northern parts of Sweden and Russia; fallen in most other localities. Morning readings highest, 62° at Malta, 53° at Oran, 52° at Sfax, and 51° at Athens. Lowest, − 10° Fahr. at Haparanda, + 7° at Stockholm, 9° at Hernosand, and 13° at Ulealborg, considerably below the freezing point in most parts of northern and central Europe, and slightly below it over central England. Rising during day to 46° and upwards in the western and northern parts of our Islands generally, reaching 50° at some of the Irish stations.

Wind light to moderate from the North-Westward over the greater part of our Islands and France, but South-Westerly in the north of Ireland and the west of Scotland. Northerly over Sweden, Finland, and the Baltic—a gale at Wisby, and North-Westerly in eastern Germany; light from the North-Eastward over Denmark and the Netherlands, but Southerly over western Germany. Variable in Italy; chiefly Northerly over the Spanish Peninsula. Subsequently backing to the South-Westward in nearly all parts of the United Kingdom, and to the Southward in the west of Ireland, no important change occurring elsewhere.

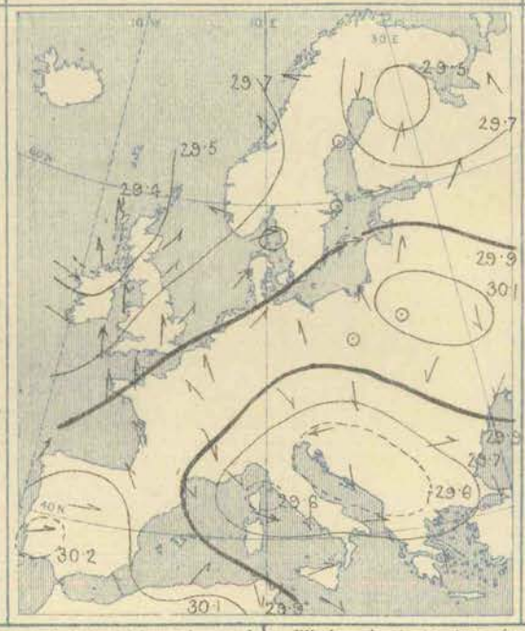
Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the western and central parts of the Spanish Peninsula. Lowest, 29·3 ins. and less in a well-marked depression over the Baltic Provinces; 29·7 ins. and less in a shallow area lying to the northward of our Islands and also in another system over northern Italy and the central parts of the Mediterranean. New disturbance approaching our western coasts later, and barometer falling in all parts of the United Kingdom, briskly in Ireland.

Wednesday, 6th March.

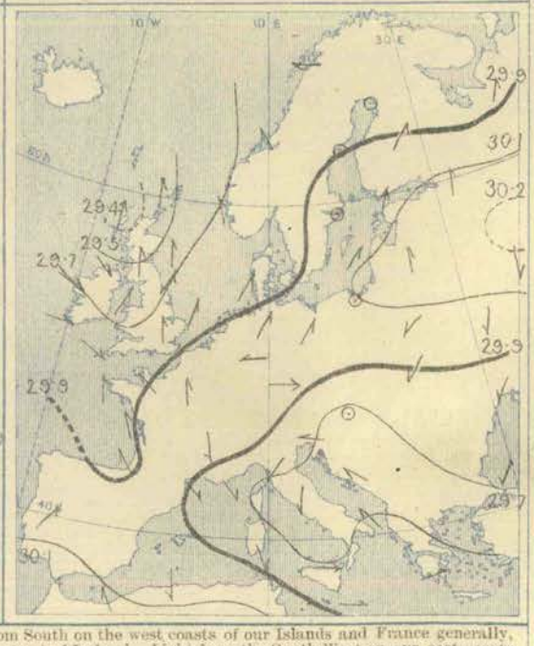
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy or dull in our Islands, with rain at several of the Irish stations and also in the Hebrides. Fine in Scandinavia, as well as in Belgium, western Germany, and the east and south of France; cloudy in all other parts of the Continent, with snow in many parts of Denmark, Russia, Austria, Italy, and south Germany, and with rain at several of the Mediterranean stations. Rain spreading later to nearly all parts of the United Kingdom and also the west of France. Solar halo seen at Jersey.

Temperature risen in our Islands, as well as in Sweden, Denmark, and Spain, fallen in most other countries. Morning readings highest, (1) 51° at Athens, 50° at Patras, and 48° at Malta; (2) 47° at Belmullet, Valencia (Ireland), and Scilly. Lowest, (1) 3° at Hernosand and 12° at Haparanda, Ulealborg, and Hango; (2) 4° at Cracow, 8° at Breslau, and 11° at Nancy; considerably below the freezing point over northern and central Europe generally. Rising during day to 45° and upwards in the western and northern parts of our Islands, but maximum readings very little above 40° in the south and south-east of England. Reaching 54° at Lisbon and Palermo, 55° at Biarritz.

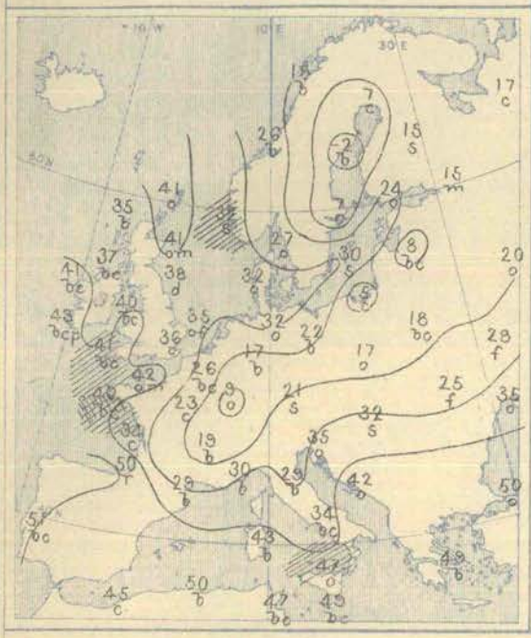
Wind moderate to strong from South on the west coasts of our Islands and France generally, but North-Westerly in the west of Ireland. Light from the South-West on our east coasts and moderate to fresh from the same quarter over Denmark, north Germany, and the Baltic; South-Easterly or Easterly in the west of Norway, North-Easterly in the south of Russia and in Italy; North-Westerly over the southern parts of France and Germany. Westerly over the central parts of the Mediterranean. Subsequently veering to the North-West on many parts of our west and south-west coasts; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in the south-west of Spain; above 30·0 ins. in a long band stretching north-east and east across France and north Germany to the western and southern parts of Russia. Lowest, 29·4 ins. and less in a depression off the west of Scotland, 29·5 ins. and less in another disturbance over Finland, 29·6 ins. and less in a small system over the Gulf of Genoa and also in a larger one over Turkey, the Adriatic, and the neighbouring provinces. Depression off the west of Scotland subsequently moving northwards, and "V" shaped secondary systems advancing eastwards over Great Britain.

Thursday, 7th March.

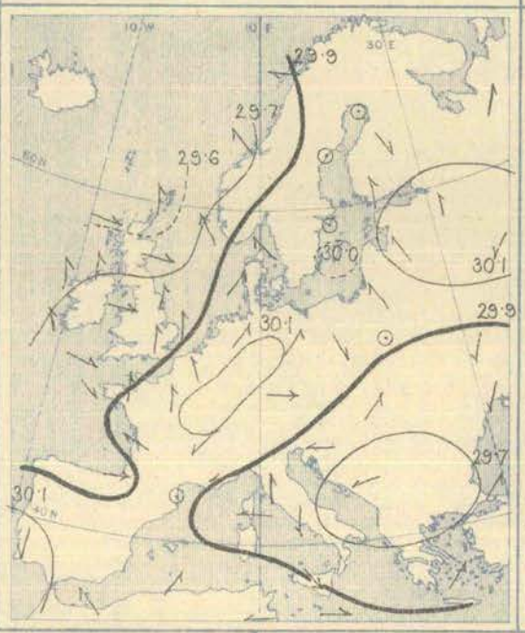
Temperature and Weather.

8 a.m.

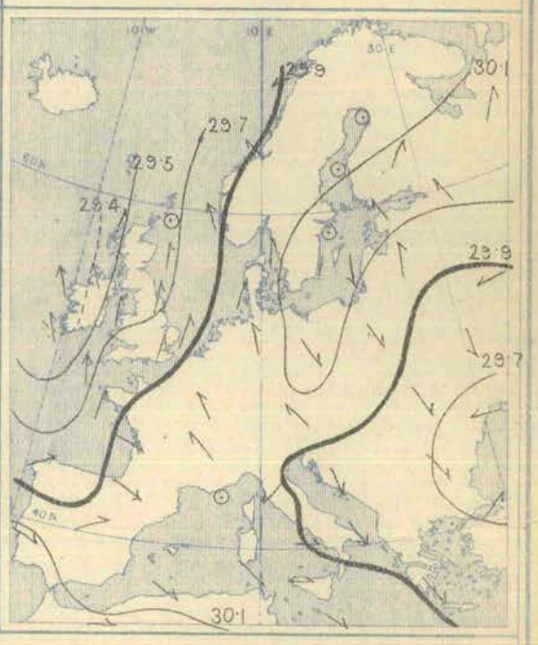


Barometer and Wind.

8 a.m.



6 p.m.



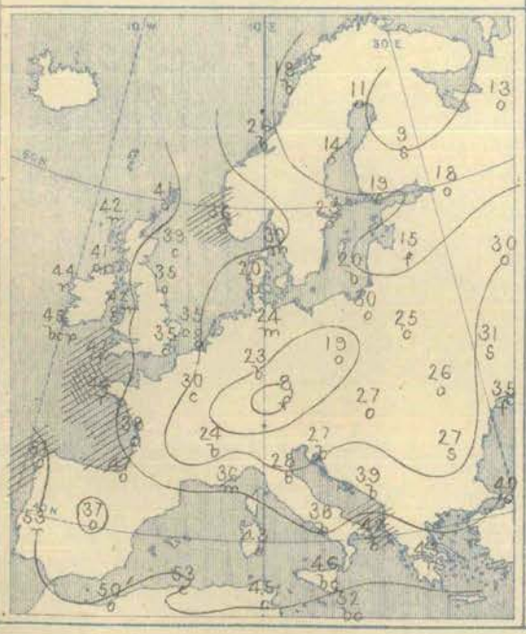
Weather in morning fair in most places, but very foggy over Hungary and the southern parts of Russia, snow falling over Austria and some rain over central England. Considerable rain on the Atlantic coasts of our Islands later, and smaller quantities at our own western stations generally and at Biarritz, snow over Poland and Hungary; lunar halo seen at Stornoway.
Temperature changing irregularly. Morning readings highest, 51° at Lisbon and 50° at Algiers and Biarritz; below that value on the southern and western shores of the Mediterranean as a whole; 48° at Valencia (Ireland), 42° at Jersey, 41° at Belmullet and Sumburgh Head. Lowest, (1) – 2° Fahr. at Hernösand, + 5° at Karlstadt, 7° at Stockholm, 15° at St. Petersburg; (2) 5° at Neufahrwasser, 8° at Riga, 17° at Breslau; (3) 9° at Nancy, 18° at Wiesbaden, 19° at Lyons. Rising later to 52° at Scilly, to 49° at several of our western and southern stations, and to 55° in the south of Italy.

Wind light to moderate in force and very variable in direction; anticyclonic over the greater part of northern and central Europe, but cyclonic, Northerly, over Italy, South-Westerly over Greece and at Constantinople. A Southerly breeze setting in over the west of Ireland spreading eastwards and increasing in force during the day.
Barometer highest, 30·1 ins. and more to 29·9 ins. in a large but complex anticyclone covering northern, central, and western Europe, and in another over Algeria, the south-west coast of the Spanish Peninsula and adjacent parts of the Atlantic. Lowest, (1) below 29·6 ins. off the north of Scotland; (2) below 29·7 ins. over the Balkan Peninsula. Falling decidedly over Ireland later, as a low pressure system began to approach our extreme western coasts.

Friday, 8th March.

Temperature and Weather.

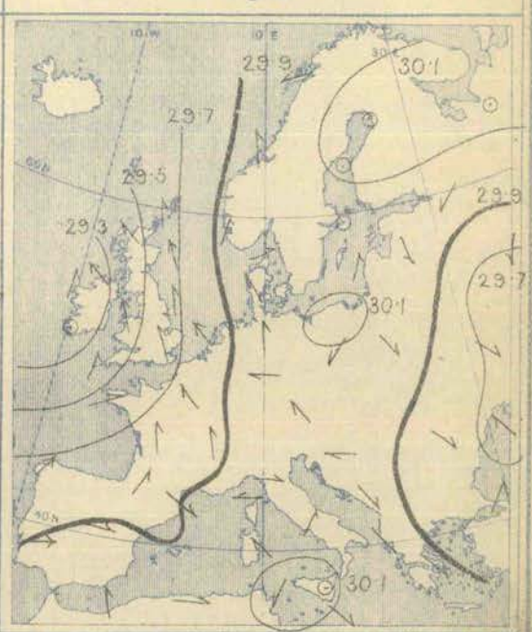
8 a.m.



Barometer and Wind.

8 a.m.

6 p.m.

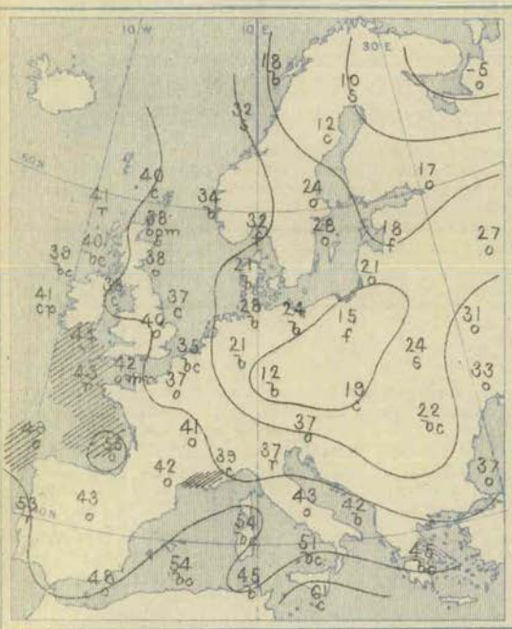


Weather in morning fine over Norway, the North Sea, and many parts of central Europe, but foggy at Munich and Prague; dull and rainy in the west and south-west of our Islands, unsettled over the southern half of Russia, with rain and snow in many places. Rain falling very generally over the British Islands and north-west of France and the Riviera during day, but not in large quantities; nearly 0·3 in. of snow (melted) measured at Christiansund.
Temperature risen over Ireland, changed irregularly elsewhere. Morning readings highest, 60° and more on the southern side of the Mediterranean and on the coast of the Peninsula; 47° at Scilly, 45° to 41° at our western stations generally. Lowest, (1) 9° to 18° over northern Europe as a whole, 23° at Stockholm; (2) 8° at Munich, 15° at Prague, 17° at Nancy, 30° at Paris; (3) 34° to 36° over central England. Rising to between 52° and 56° at several Irish stations later, to 50° at Cambridge, 59° at Palermo, and 65° to 68° over Algeria.

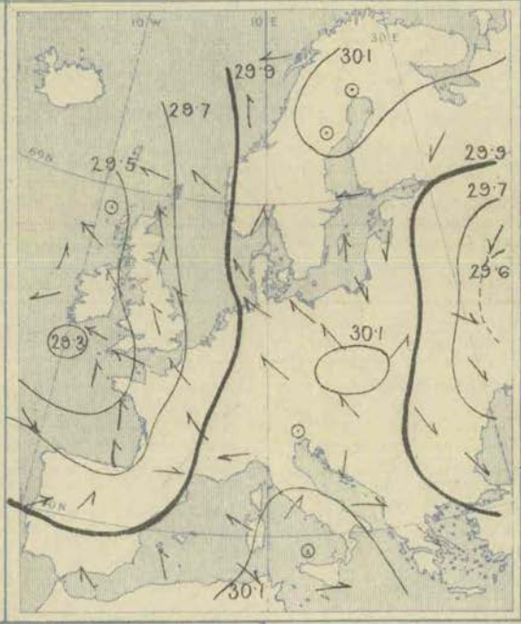
Wind (1) light and anticyclonic over northern and central Europe, as well as the greater part of the Mediterranean; (2) South-Easterly and Southerly over our Islands, and blowing rather strongly on our west and north-west coast, Southerly and South-Westerly, fresh, in Spain and Portugal; (3) cyclonic system of light breezes prevailing over southern Russia, the Balkan Peninsula, and Black Sea. Not much change later.
Barometer highest, 30·2 ins. and more over the White Sea, and exceeding 30·0 ins. in a broad band stretching from the northward across central and southern Europe and the Mediterranean. Lowest, 29·7 ins. to 29·6 ins. in a complex depression over the south of Russia; and below 29·2 ins. over the west of Ireland and neighbouring parts of the Atlantic. Gradients steep over the United Kingdom and Bay of Biscay. Rising in Ireland later, falling over Spain and the south-west of France.

Saturday, 9th March.

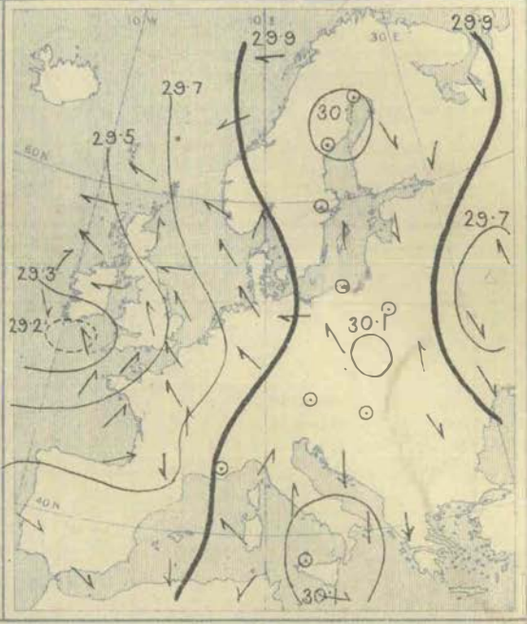
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very quiet over northern and central Europe and the Mediterranean, changeable over the western countries, with rain in Scotland, the Scilly Islands, and Brittany, snow at Christiansund; dull and unsettled over the southern half of Russia, with rain at Odessa. Rain falling later over the British Islands and western Europe generally, amounts considerable both on our south-western and north-eastern coasts, also at Lyons, and in the north of Italy; considerable in the Azores.

Temperature risen over England, France, and the Mediterranean. Morning readings highest, 61° at Malta and 60° or more at several of the Mediterranean stations, San Fernando, Lisbon, and Biarritz; 44° at Scilly and Roche's Point, as well as at Rome; above the freezing point over our Islands generally. Lowest, (1) − 5° at Archangel, + 8° at Uleaborg, 12° at Hernösand, 17° at St. Petersburg; (2) 12° at Munich, 13° at Prague, 14° at Vienna, 19° at Buda-Pesth. Rising later to between 45° and 52° over the greater part of our Islands, exceeding 60° in the south-west of France and over Spain, and exceeding 72° on the Algerian coast.

Wind (1) light and anticyclonic both over northern Europe and over the eastern parts of the Mediterranean, Italy, and the Adriatic; (2) Southerly and South-Easterly over the greater part of western Europe and the British Isles, but Westerly over Portugal and South-Westerly over Spain; (3) a cyclonic circulation of light winds still holding over the southern half of Russia. Veering to South-West in the west of France later, very little change elsewhere.

Barometer highest, 30·1 ins. and more in two anticyclones—one over northern Europe, the other over the south-eastern parts of the Mediterranean, and exceeding 30·0 ins. in a broad band connecting the two and so stretching over the Baltic and central Europe to Italy. Lowest, (1) about 29·3 ins. in a depression off our south-west coasts, and below 29·4 ins. over the west of Ireland; (2) about 29·6 ins. in a larger but shallower depression over the southern half of Russia. Western disturbance moving northwards slowly later and spreading eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➤ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ◎ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was low over Scandinavia, central and southern Europe, but relatively high over the Atlantic coasts of Europe generally. The low pressure areas moved eastwards during Monday and underwent some considerable modification, while the high-pressure area in the west spread over the British Islands, and brought about a temporary return of frosty, inclement weather. On Tuesday, however, a change set in and the distribution of pressure gradually became the very opposite of what had held at the commencement of the week, the readings being highest over northern, central, and southern Europe, and lowest in the west. South-Westerly to South-Easterly winds consequently became general over the western countries, with much milder weather, but, towards the close of the week, the condition was becoming somewhat complicated by the filling up of a low pressure area off the west of Ireland, and the appearance of a small but well-formed depression near the Scilly Islands.

At no time during the week has the weather been warm or genial, nor has the southerly current of wind asserted itself with any strength, which would indicate the approach of really mild weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 56.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	18·6	?	25	?	EASTBOURNE	27·5	?	36	?
OSWALDKIRK (Yorkshire)	9·9	?	13	?	MANCHESTER (Oldham Road)	10·3*	?	13*	?
WORKSOP	10·0	− 9·6	13	−13	TENBY	26·8*	?	34*	?
THURCASTON (Leicestershire)	10·3	− 7·6	13	−10	NEWQUAY	?		?	
MARGATE	26·9	?	34	?	TORQUAY	20·6*	?	26*	?
WESTBOURNE (Sussex)	24·2*	?	31*	?	ARLEY COTTAGE (County Cavan)	24·2	?	31	?
BRIGHTON	20·7		27	?	GUERNSEY	23·3*	?	30*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 11. *Third Series.* | WEEK ENDING SATURDAY, MARCH 16TH, 1895. | *Price 6d. Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 62.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	22	41·4	33·1	38·6	0 (average)	7	0	32	− 2	10	− 59	700	+331
	1. SCOTLAND, EAST	58	14	44·5	33·6	38·9	0 (average)	7	− 7	30	− 4	7	− 97	865	+460
	2. ENGLAND, N.E.	56	28	47·3	34·9	40·9	1 above	15	+ 1	27	− 4	15	− 90	704	+337
	3. ENGLAND, EAST	57	26	50·6	32·8	41·4	1 above	24	+ 5	36	+ 2	24	− 93	770	+354
	4. MIDLAND COUNTIES	59	24	50·3	32·6	41·2	0 (average)	23	+ 3	37	+ 4	23	−115	843	+438
	5. ENGLAND, SOUTH	59	23	49·0	33·8	41·2	1 below	20	0	32	+ 5	28	−126	702	+386
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	27	45·5	36·4	40·3	0 (average)	10	− 2	21	− 5	14	− 95	698	+400
	7. ENGLAND, N.W.	53	25	47·6	35·8	41·5	0 (average)	16	+ 3	24	− 3	16	− 89	665	+358
	8. ENGLAND, S.W.	58	22	48·9	34·6	41·5	1 below	19	− 1	29	+ 7	40	−142	616	+381
	9. IRELAND, NORTH	59	22	48·0	36·6	42·2	0 (average)	24	+ 6	15	− 8	41	−122	577	+311
	10. IRELAND, SOUTH	60	26	50·8	36·4	43·4	0 (average)	33	+10	16	− 3	61	−172	455	+250
	—CHANNEL ISLANDS	54	33	49·7	39·3	44·4	1 below	28	+ 4	8	− 1	97	−149	350	+261

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 62.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	9	1 less	46	− 9	6·9*	− 6·2	13	+ 2	17	+ 2	163	+ 33	26	+ 5
	1. SCOTLAND EAST	3	3	2 less	38	− 4	4·7	− 1·9	13	0	15	0	160	− 5	26	0
	2. ENGLAND, N.E.	2	2	3 less	48	+ 9	6·4	+ 1·7	20	− 2	25	− 3	189	+ 38	26	+ 5
	3. ENGLAND, EAST	1	less than ½	4 less	42	+ 3	4·4	− 0·3	32	+ 9	40	+12	195	+ 23	27	+ 3
	4. MIDLAND COUNTIES	2	1	4 less	32	− 5	4·2	− 1·4	24	+ 1	30	+ 2	186	+ 32	26	+ 5
	5. ENGLAND, SOUTH	1	1	3 less	32	− 4	3·8	− 2·1	37	+ 8	46	+ 9	220	+ 36	28	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	6	3 less	37	−10	4·3	− 8·3	15	− 8	18	− 9	194	+ 48	27	+ 6
	7. ENGLAND, N.W.	3	2	3 less	36	− 6	4·2	− 2·8	16	0	20	0	155	+ 43	27	+ 6
	8. ENGLAND, S.W.	2	2	4 less	36	− 7	5·8	− 3·3	26	− 4	31	− 6	243*	+ 49	32	+ 7
	9. IRELAND, NORTH	4	3	3 less	44	− 5	5·5	− 2·2	16	− 3	20	− 4	194	+ 41	28	+ 6
	10. IRELAND, SOUTH	1	2	5 less	38	− 7	7·3	− 1·9	25	− 2	30	− 2	218	+ 30	30	+ 4
	—CHANNEL ISLANDS	2	3	3 less	44	− 4	6·1	− 1·6	43	+ 7	53	+10	280	+ 81	42	+ 11

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued rather unsettled during the earlier days of the period, and some rain was experienced in all but the extreme south-eastern and eastern parts of the Kingdom. Later on the conditions improved greatly, the weather becoming fine and warm in the daytime, cold and clear at night.

Temperature did not, as a whole, differ very much from the mean, but slightly exceeded it over north-eastern and eastern England. The daily maxima were much higher than any experienced of late, those registered on the 16th varying from 60° in Ireland S. and 59° in the Midland Counties, England S., and Ireland N., to 53° in Scotland N. and England N.W. The minima continued low generally, those recorded during the middle part of the week ranging from 14° in Scotland E. (at Braemar) to 22° in Scotland N., Ireland N., and England S.W. and to 33° in the Channel Islands.

Rainfall was less than the mean in all districts. The fall over England was extremely slight, the weather at many stations being quite rainless.

Bright Sunshine was considerably in excess of the mean in most of the "Wheat-producing" districts and in the Channel Islands, but showed a deficit in nearly all the "Grazing" districts. The percentage of the possible duration ranged from 15 to 18 in Scotland and from 20 to 30 in Ireland, while over England the values varied from 20 in England N.W. and 25 in England N.E. to 40 in England E. and 46 in England S. In the Channel Islands the percentage was as high as 53.

Barometer and Wind.—During the earlier part of the week a well-defined depression moved north-north-eastwards over Great Britain to the North Sea, where it gradually dispersed. No other disturbance appeared over us or in our immediate vicinity, and, during the latter part of the period, an anticyclone spread from the Atlantic over all the southern parts of our Islands, France, and Germany, while depressions moved north-eastwards or eastwards far to the north-westward and north of Scotland. A complete cyclonic circulation of wind was at first experienced, but gave place a little later to Northerly breezes; towards the end of the week South-Westerly winds appeared in the north-west and spread gradually to all our coasts.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 61 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	29	43·9	33·4	38·5	+ 0·3	5	30	4	0·27	− 0·38	*	*	*	*
	Stornoway	50	25	45·1	29·7	37·2	− 2·4	9	44	4	0·60	− 0·28	24·2	+ 2·5	30	+ 2
	Wick	53	27	45·6	33·7	39·5	+ 0·4	10	31	0	—	− 0·48	*	*	*	*
	Glencarron	50	24	43·9	32·3	37·9	+ 0·1	5	34	5	1·99	+0·59	*	*	*	*
	Fort Augustus	49	22	43·8	33·3	38·4	− 0·6	5	31	5	0·63	− 0·07	6·2	?	8	?
	Fort William	49	31	44·0	36·1	39·9	− 0·1	6	21	6	1·67	+0·23	9·8	?	12	?
1. SCOTLAND, E.	Nairn	55	22	47·0	31·1	38·8	− 0·9	14	40	3	0·36	− 0·03	*	*	*	*
	Aberdeen	58	29	45·9	35·7	40·7	+ 1·0	11	24	5	0·59	+0·06	23·5	− 0·9	29	− 2
	Braemar	44	14	39·2	27·7	33·3	− 2·7	0	61	1	0·03	− 0·54	9·2†	†	11†	†
	Ochtertyre	51	30	46·1	36·1	41·0	+ 2·2	11	23	5	0·23	− 0·42	*	*	*	*
	Leith	57	31	46·6	36·3	41·3	+ 0·4	13	22	2	0·31	− 0·01	*	*	*	*
	Marchmont	45	29	42·1	34·7	38·3	− 0·3	0	25	3	0·22	− 0·35	7·5	?	9	?
2. ENGLAND, N.E.	Alnwick Castle	50	33	43·9	36·6	40·1	+ 0·6	5	19	5	0·37	− 0·16	*	*	*	*
	Durham	56	29	47·2	33·1	39·9	+ 0·2	15	33	4	0·10	− 0·37	22·5	− 0·8	28	− 1
	Shields	55	32	46·6	24·7	40·5	+ 0·1	13	28	3	0·24	− 0·16	*	*	*	*
	Scarborough												*	*	*	*
	York												*	*	*	*
	Spurn Head	56	28	50·6	33·9	42·0	+ 1·4	24	23	2	0·02	− 0·38	16·9	− 4·4	21	− 6
3. ENGLAND, E.	Hillington	53	33	48·4	36·1	42·1	+ 1·9	17	25	1	0·01	− 0·27	*	*	*	*
	Yarmouth	57	26	51·8	32·5	41·9	+ 1·1	27	38	1	0·06	− 0·32	35·5	+11·9	44	+15
	Geldeston	53	27	46·4	34·1	40·1	+ 0·4	12	30	1	0·01	− 0·41	*	*	*	*
	Cambridge	56	26	51·1	33·3	41·9	+ 0·9	25	35	1	0·01	− 0·35	35·9	+ 8·7	44	+11
	Rothamsted	57	27	53·3	31·6	42·1	+ 1·0	44	29	0	—	− 0·30	32·2	+ 6·2	40	+ 8
		55	26	50·2	32·7	41·2	+ 0·7	23	37	2	0·05	− 0·35	25·6	?	32	?
4. MIDLAND COUNTIES	Rawtry (Hesley Hall)	58	27	51·4	32·3	41·6	+ 0·8	26	39	1	0·02	− 0·38	*	*	*	*
	Loughborough	59	26	52·9	32·6	42·5	+ 1·0	43	26	1	0·03	− 0·34	*	*	*	*
	Stamford (Ketton Hall)	57	24	52·0	32·6	42·0	+ 0·4	28	26	1	0·03	− 0·37	*	*	*	*
	Cheadle	54	28	48·3	33·7	40·8	+ 1·1	18	32	2	0·05	− 0·49	*	*	*	*
	Solihull	53	26	48·2	33·4	40·6	− 0·1	17	33	1	0·06	?				
	Churchstoke	55	28	50·1	32·9	41·3	+ 1·3	23	36	2	0·09	− 0·37	25·4	+ 2·2	31	+ 2
	Hereford	56	27	51·3	32·1	41·4	− 0·5	26	39	1	0·02	− 0·37	*	*	*	*
	Cirencester	52	25	48·1	31·0	39·3	− 0·6	17	41	3	0·39	− 0·00	?21·8	? − 2·7	?27	? − 3
	Oxford	55	28	50·7	33·1	41·6	0·0	24	35	2	0·05	− 0·33	22·0	− 1·8	27	− 3
5. ENGLAND, S.	London	58	29	52·9	34·6	43·5	+ 1·4	42	21	0	—	− 0·35	27·6†	+ 9·4†	34†	+12†
	North Foreland	49	30	45·6	34·4	39·8	− 1·1	10	28	0	—	?	*	*	*	*
	Strathfield Turgiss	58	23	52·7	30·7	41·4	− 0·2	30	45	1	0·02	− 0·36	*	*	*	*
	Dungeness	45	27	45·3	33·4	38·2	− 3·2	4	30	0	—	− 0·40	*	*	*	*
	Hastings (St. Leonards)	50	34	47·6	36·4	41·8	− 0·6	16	22	0	—	− 0·43	37·8	+ 7·6	47	+11
	Southampton	59	27	53·2	34·4	43·5	+ 0·7	42	21	1	0·02	− 0·43	32·5	+ 4·7	40	+ 6
	Hurst Castle	53	29	48·1	34·3	41·0	− 1·2	17	30	1	0·10	− 0·32	*	*	*	*
	Stowell	53	27	48·8	32·0	40·2	− 1·0	19	38	5	0·55	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	32	48·0	37·3	42·5	+ 1·6	23	13	5	1·66	+0·16	*	*	*	*
	Glasgow	52	32	44·2	37·2	40·6	+ 0·5	6	18	5	0·35	− 0·43	7·0	− 11·8	9	− 13
	Ardrossan	47	30	43·6	35·7	39·5	− 1·6	4	22	6	0·28	− 0·47	*	*	*	*
	Glenlee	53	27	45·3	34·9	40·0	+ 1·0	9	26	5	0·40	− 0·48	*	*	*	*
	Douglas (Isle of Man)	50	30	46·3	36·8	41·4	0·0	12	20	2	0·06	− 0·60	21·9	− 4·4	27	− 5
7. ENGLAND, N.W.	Stonyhurst	50	30	46·3	34·9	40·4	+ 0·2	12	26	3	0·25	− 0·54	15·5	− 6·0	19	− 8
	Blackpool	51	25	47·4	33·7	40·4	− 0·5	15	32	2	0·18	− 0·32	16·6	− 4·1	21	− 5
	Manchester (Prestwich)	53	29	47·9	34·0	40·7	+ 0·1	17	30	5	0·17	− 0·40	9·5	?	12	?
	Liverpool Obsy. (Bidston)	53	33	48·4	37·6	42·8	+ 1·2	24	12	3	0·06	− 0·32	*	*	*	*
	Llandudno	53	34	48·6	37·7	43·0	+ 0·1	25	12	3	0·23	− 0·23	31·2	+10·3	39	+14
	Holyhead	48	33	46·7	36·9	41·7	− 1·2	13	20	2	0·28	− 0·24	*	*	*	*
8. ENGLAND, S.W.	Llandovery	58	22	50·9	31·1	40·7	− 1·6	25	42	3	0·25	− 0·57	*	*	*	*
	Pembroke	46	34	45·1	38·6	41·8	− 0·9	9	14	3	0·06	− 0·50	31·3	+ 2·9	39	+ 4
	Bristol (Montpelier)	56	31	51·2	33·6	42·1	+ 0·1	36	24	2	0·23	− 0·32	*	*	*	*
	Arlington (N. Devon)	51	29	48·0	32·6	40·1	− 0·9	17	36	3	0·37	− 0·46	*	*	*	*
	Cullompton	56	27	50·7	31·3	40·7	− 1·4	24	41	2	0·13	− 0·46	20·8	− 5·4	26	− 6
	Falmouth	53	34	49·0	37·6	43·1	− 1·2	26	12	2	0·02	− 0·76	24·7	− 4·1	30	− 6
	Plymouth	51	28	47·5	34·6	40·9	− 3·0	15	29	1	0·09	− 0·51	17·2	− 11·8	21	− 15
	Prawle Point	56	34	48·6	37·3	42·8	+ 0·1	25	13	2	0·66	+0·21	*	*	*	*
9. IRELAND, N.	Malin Head	53	35	46·0	38·6	42·2	− 0·4	16	10	5	0·29	?	*	*	*	*
	Londonderry	59	31	48·8	38·5	43·5	+ 1·4	25	10	6	0·25	− 0·39	*	*	*	*
	Edenfel (Omagh)	54	27	47·3	35·9	41·4	+ 0·7	15	24	?	?	?	*	*	*	*
	Belmullet	51	33	47·6	38·7	43·0	− 1·7	21	9	5	0·43	?	*	*	*	*
	Markree Castle	58	22	49·4	34·7	41·8	+ 0·2	21	29	3	0·09	− 0·48	18·7	− 3·7	23	− 5
	Brookeborough	58	24	48·4	36·7	42·4	+ 1·9	25	15	5	0·33	− 0·31	*	*	*	*
	Armagh	58	27	48·6	37·3	42·8	+ 2·0	25	13	3	0·29	− 0·19	18·7	− 1·9	23	− 3
	Donaghadee	56	29	48·1	35·1	41·4	+ 0·5	17	27	3	0·46	− 0·02	*	*	*	*
	Edgeworthstown	53	23	47·8	34·3	40·9	+ 0·1	16	30	3	0·17	− 0·47	*	*	*	*
10. IRELAND, S.	Dublin	59	30	50·2	37·7	43·8	+ 0·6	31	12	1	0·25	− 0·23	26·4	+ 1·2	33	+ 2
	Parsonstown	60	27	51·0	34·1	42·3	+ 0·3	35	22	2	0·19	− 0·33	20·6	− 4·6	25	− 6
	Kilkenny	57	26	52·0	35·9	43·7	+ 0·9	38	17	1	0·33	− 0·16	*	*	*	*
	Roche's Point	51	34	49·7	39·0	44·2	− 0·3	28	8	1	0·20	− 0·65	*	*	*	*
	Valencia	53	31	50·7	38·3	44·3	− 1·2	32	10	2	0·09	− 0·88	26·9	− 2·2	33	− 2
	Killarney	59	27	51·4	35·4	43·2	− 1·1	36	18	2	0·04	?	*	*	*	*
	Foynes	59	30	50·4	34·3	42·1	− 1·3	33	22	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	40	50·7	41·9	46·2	+ 0·4	30	0	0	—	− 0·54	39·6	?	49	?
	Jersey	52	33	48·7	36·7	42·5	− 2·1	26	15	3	0·50	− 0·06	40·2	+ 7·2	50	+10

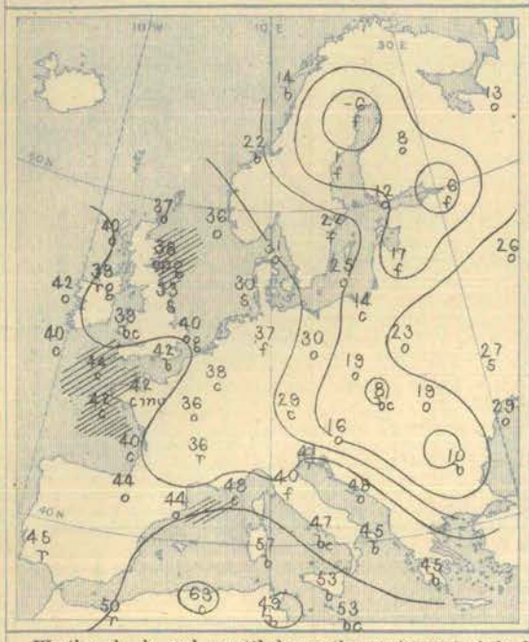
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

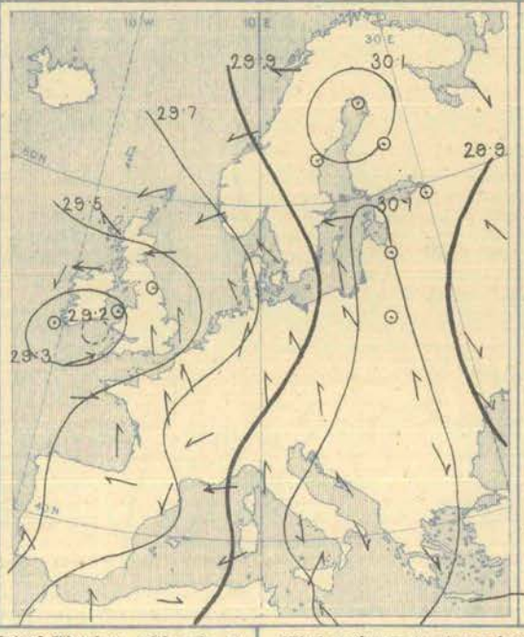
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Budhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 10th March.

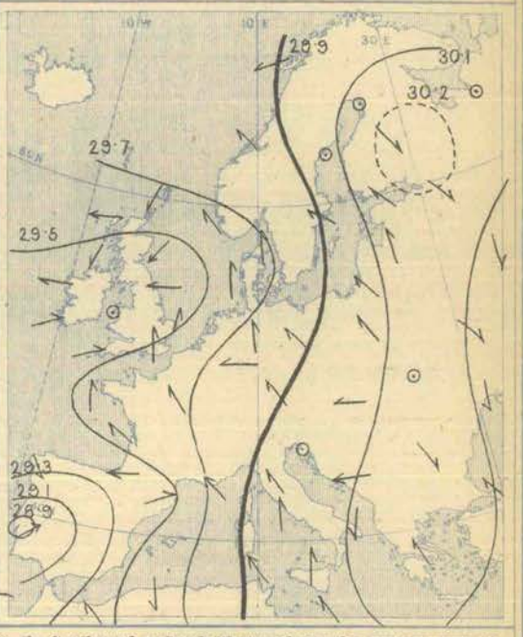
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather cloudy and unsettled over the greater part of the United Kingdom, with rain at several of the English and Irish stations and with snow at Shields. Fine in the west of Norway and also in the south of Italy, but cloudy or dull over the Continent generally, with fog in places, rain at Lyons, Turin, Trieste, and Lisbon, and snow at Stockholm, Kiev, and Nicolaieff. Weather improving later in the south of our Islands, but rain falling in the north. Heavy rain falling at Clermont and Lisbon, and snow at several of the Scandinavian stations.

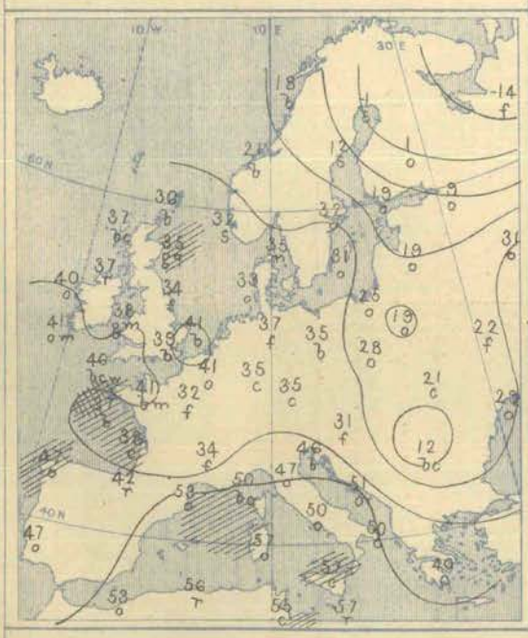
Temperature changed very irregularly. Morning readings highest, 63° at Algiers, 57° at Cagliari, and 55° at Barcelona; above 50° at many of the Mediterranean stations. Lowest, (1) – 6° Fahr. at Haparanda and St. Petersburg, – 2° at Uleaborg, + 1° at Hernösand, and 7° at Riga; (2) 8° at Cracow and 10° at Hermanstadt; below the freezing point in most parts of northern, eastern, and central Europe. Daily maxima below 40° at several of our own northern stations, but thermometer reaching 50° or a little more in some of the central and southern districts. Exceeding 55° in most parts of southern Europe, the highest readings of all being 70° at Palermo and 66° at Perpignan.

Wind moderate to strong from the Southward or South-Westward over the southern parts of England, the Netherlands, and the north of France; South-Easterly over Denmark and eastern Germany; Easterly or North-Easterly over Norway and the northern parts of the United Kingdom. Chiefly light from the North-Westward in Russia; variable in Austria and Italy; Easterly in the south of France; South-Easterly on the Portuguese coasts. Subsequently blowing with considerable strength from the Eastward or North-Eastward in the north and east of Scotland; no important change occurring elsewhere.

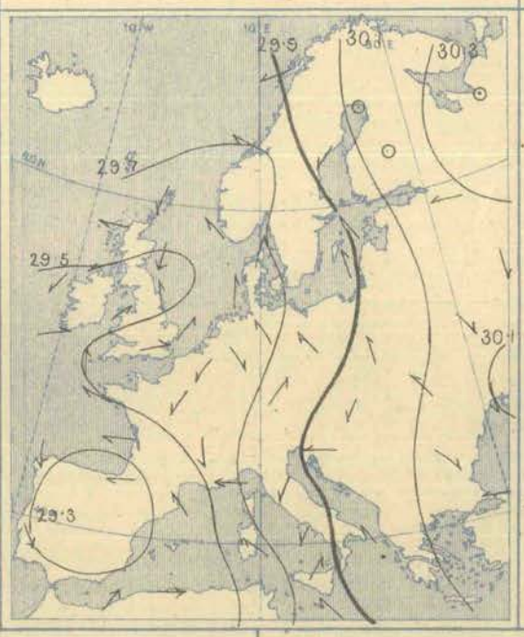
Barometer highest, 30·1 ins. and upwards in a long band stretching northwards from Greece and southern Italy to the Gulf of Riga, and also in a separate area over the north of Sweden. Lowest, 29·2 ins. and less in a depression lying at the mouth of the St. George's Channel; 29·4 ins. and less in another disturbance lying to the south-westward of Lisbon. Former depression subsequently moving to the north of England and partially filling up; latter system advancing north-eastwards over Portugal; barometer at Lisbon falling below 29·0 ins.

Monday, 11th March.

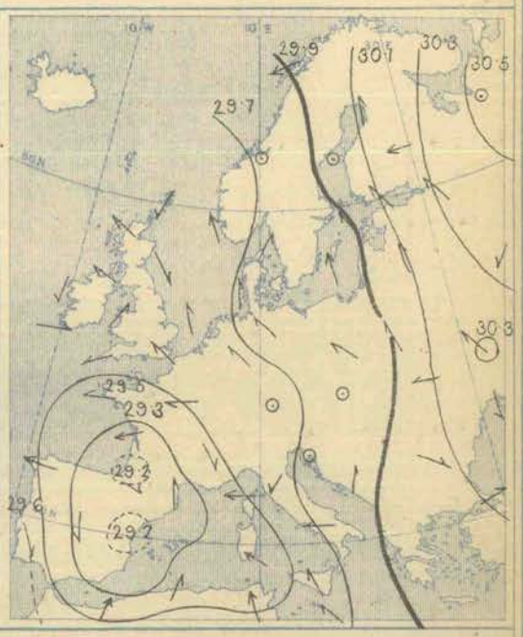
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning dull and rainy over the south of Scotland and the northern and central parts of Ireland; fine in other parts of the United Kingdom and also in the north of France. Dull over the Continent generally, with fog in places, rain at Biarritz and Barcelona, and snow at Haparanda and Skudesnaes. Slight rain falling during day in many parts of our Islands and large amounts in the Channel Islands, the west of France, and many parts of southern Europe. Thunderstorms occurring at Bordeaux and Béziers. Solar and lunar halos seen at several of the English stations.

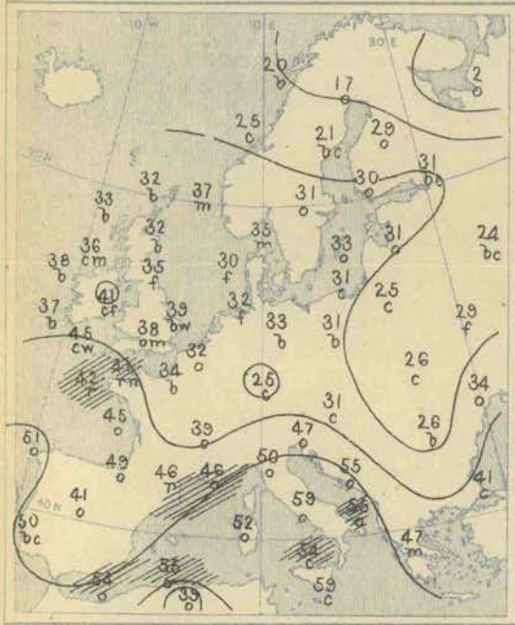
Temperature fallen in most parts of western Europe. Morning readings highest, 59° at Sanguinaire and 57° at Cagliari, Palermo, and Malta; above 50° at most of the Mediterranean stations. Lowest, – 14° Fahr. at Archangel, – 2° at Uleaborg, and – 1° at Haparanda and Kuopio; below the freezing point over northern and eastern Europe generally, and very little above it at some of our central stations. Daily maxima below 40° in Scotland, but exceeding 50° over central and southern England, and reaching 55° in London and at Cambridge. Frost occurring over the northern and central parts of our Islands at night.

Wind Easterly or North-Easterly over Scotland and the north of Ireland; light from the Westward in the south of Ireland, and from the Southward over the greater part of England. Southerly or South-Easterly over northern and central Europe, but Easterly in France. Northerly or North-Westerly in the western parts of the Iberian Peninsula, and South-Westerly over Algeria and the east of Spain. Variable in Italy. Subsequently backing to the Eastward in the south of England; cyclonic circulations of light breezes appearing respectively over Ireland and the northern parts of the North Sea. Easterly gale springing up at Toulon, and on the Corsican and Sardinian coasts.

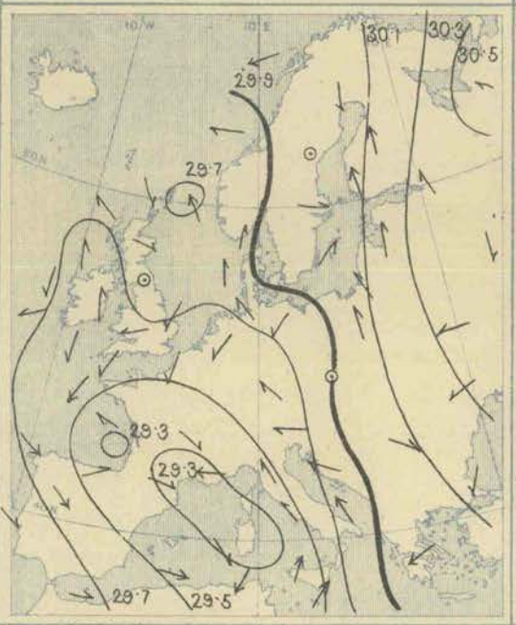
Barometer highest, 30·3 ins. and upwards in an anticyclone lying over northern Russia. Lowest, 29·2 ins. and less in a well-marked depression over Spain; 29·4 and less (apparently) in a small shallow system over the extreme north of England. Both depressions subsequently moving slowly north-eastwards; barometer falling over France and the English Channel.

Tuesday, 12th March.

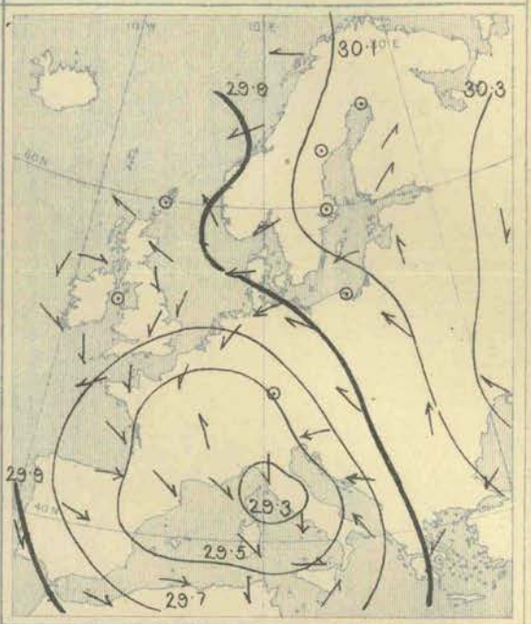
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather fine over the greater part of the United Kingdom, but dull and misty in the extreme south of England, with rain at Jersey and also at Brest. Cloudy or dull in most parts of the Continent, with fog in Denmark and north Germany, rain at Turin and Perpignan, and snow at Haparanda. Slight showers falling during day at several of the English stations, and a considerable quantity of rain at Prawle Point; heavy falls reported over northern Italy and the south of France. Solar halo seen at Jersey.

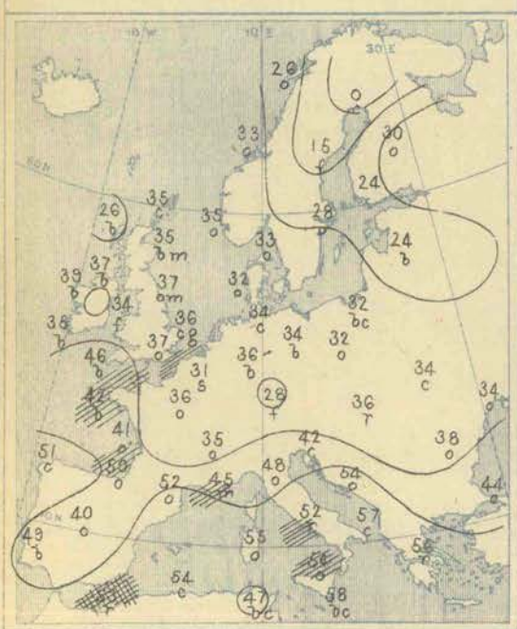
Temperature fallen over our Islands and also in Belgium, Denmark, and north Germany, but risen in most other localities. Morning readings highest, 59° at Naples and Malta, 58° at Rome, and 55° at Lesina, Brindisi, and Algiers, above 50° at the Mediterranean and Spanish coast stations generally. Lowest, 2° at Archangel, 17° at Haparanda, 20° at Bodö, and 21° at Hernösand, below the freezing point in most parts of northern, eastern, and central Europe, and also over the central parts of the United Kingdom. Daily maxima below 45° in the north and east of our Islands, but thermometer reaching 52° in London, and 55° at Cambridge. Exceeding 55° in many parts of France, and exceeding 60° over southern Italy.

Wind light to moderate from the North-Eastward over north Germany, the Netherlands, the north of France, and the southern parts of our Islands; fresh or strong from the North-Westward over the Spanish Peninsula. Moderate to strong from the South-Eastward or Southward over Italy; light or moderate from the same quarters over eastern Germany, the western and northern parts of Russia, and the south of Scandinavia; Easterly in the west of Norway. Light and variable over the northern parts of the United Kingdom. No important change occurring over western Europe during day.

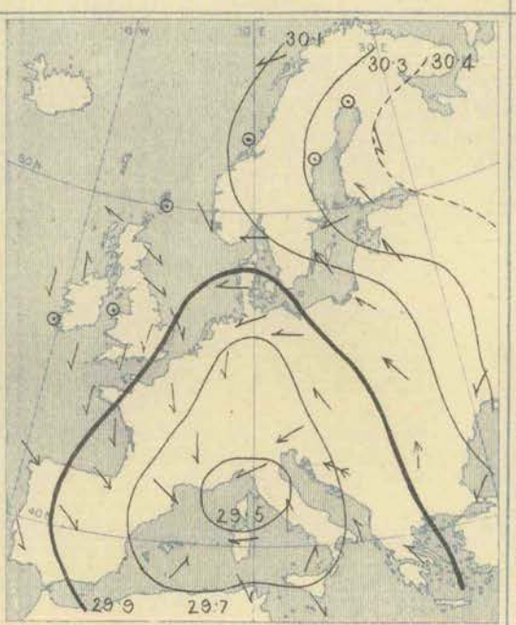
Barometer highest, 30·5 ins. and upwards over the extreme north of Russia; 30·3 ins. and upwards in an anticyclone covering nearly the whole of European Russia. Lowest, 29·3 ins. and less in an elongated depression extending from the south of France across Corsica and Sardinia to Sicily; 29·7 ins. and less in a shallow system between the Scotch and Norwegian coasts. Barometer rising over western Europe during day, and Russian anticyclone spreading over Scandinavia. Depression over Mediterranean moving slowly eastwards.

Wednesday, 13th March.

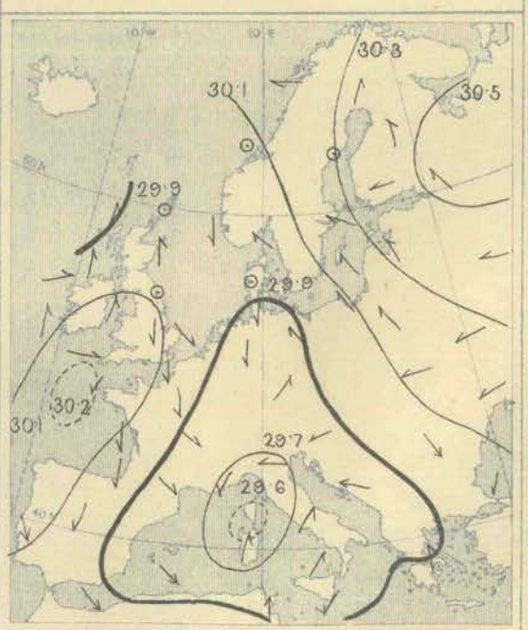
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the United Kingdom generally, but dull over eastern and central England, and foggy on our north-west coasts. Fine at some of the German stations, but cloudy or dull over the Continent as a whole, with fog in places, rain at Rome and Naples, and snow at Brussels. A little rain falling later in Ireland and the west and north of Scotland. Bright aurora seen in many parts of Great Britain. Thunderstorm occurring at Rome

Temperature fallen in England, France, Italy, and Sweden, risen in most other countries. Morning readings highest, 58° at Malta, 57° at Brindisi, and 56° at Athens and Sfax, above 50° at the Mediterranean stations generally. Lowest, 0 zero at Haparanda, +11° at Uleaborg, 15° at Hernösand, and 24° at Hangö and Riga; below the freezing point in many parts of northern and central Europe, as well as over Scotland and central Ireland. Rising during day to 45° and upwards in many parts of the United Kingdom, and reaching 53° at Valencia (Ireland); thermometer exceeding 60° in some parts of Italy and the south of France, and reaching 70° at Palermo.

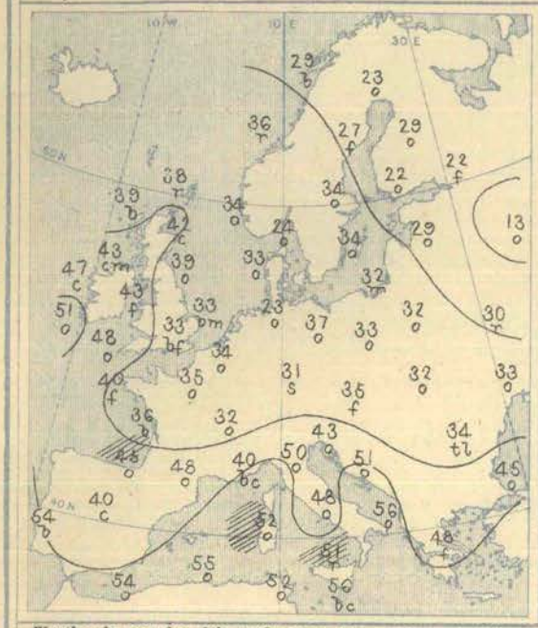
Wind calm or variable over Ireland, Scotland, and the northern parts of Scandinavia. Light to moderate from the Northward over England, France, and the Netherlands, from the North-Westward over Spain and the extreme south of France, and from the South-Westward over central Italy. Southerly or South-Easterly over the Adriatic, Austria, eastern Germany, and the Baltic, moderate to fresh in force generally, but blowing a gale at Lesina. Moderate Southerly and South-Westerly breezes setting in later over Ireland and the west of Scotland, no important change occurring elsewhere.

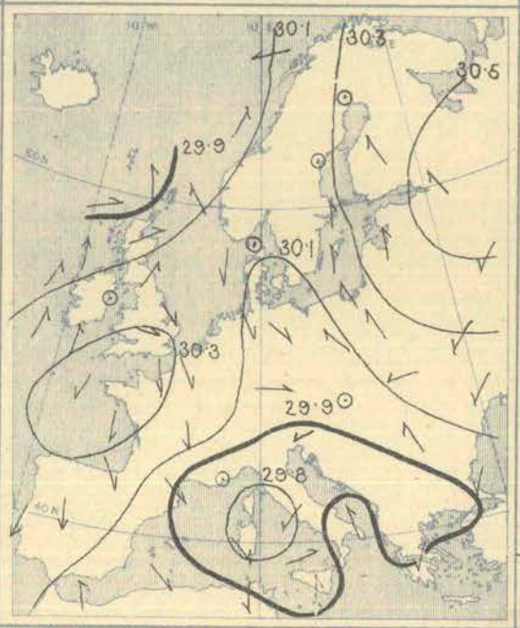
Barometer highest, 30·4 ins. and upwards in an anticyclone lying over northern and central Russia; 30·0 ins. and upwards in another system extending from the Atlantic over Portugal and the western parts of our Islands. Lowest, 29·5 ins. and less in a depression over the Gulf of Genoa, Corsica, and northern Italy. Western anticyclone subsequently increasing in height and spreading eastwards, but shallow depression skirting our extreme north-western coasts.

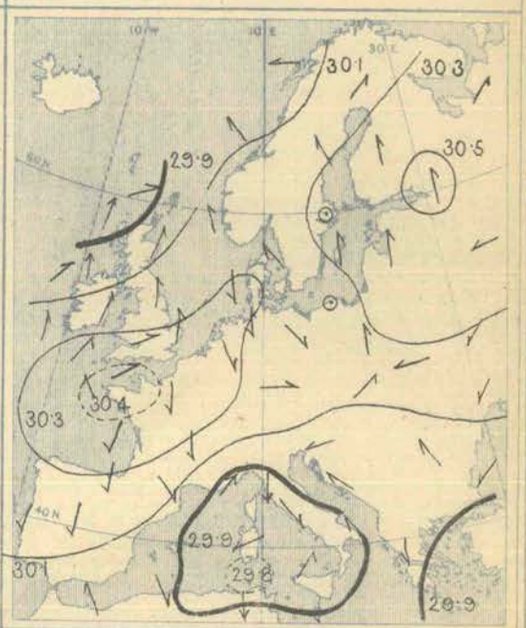
Wyman & Sons, Lt., Lith., 63, Carter Lane.

Thursday, 14th March.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fair or fine over the greater part of the United Kingdom; but cloudy or foggy in places, and rainy in the Shetlands. Dull in most of the Continental countries, with rain in the south of Russia and at Copenhagen and Palermo, and with snow at Carlstadt and Munich. Thunderstorm reported at Hermanstadt. Rain falling later in the extreme north and north-west of our Islands; little change occurring elsewhere, but sky clearing in France and Spain.

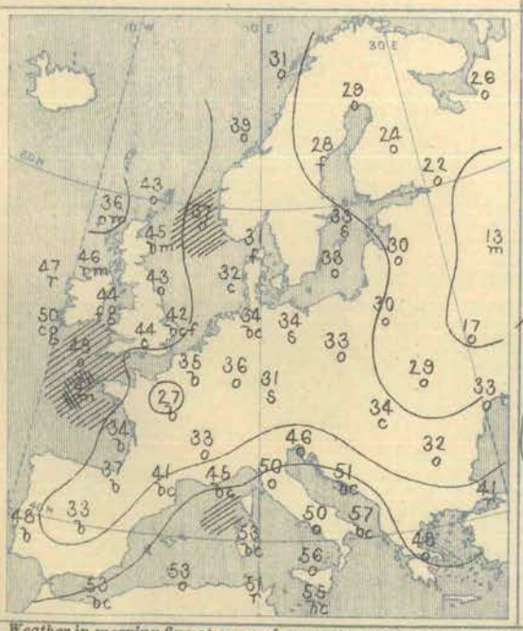
Temperature risen briskly in the west and north of our Islands and also in Sweden, fallen in most other localities. Morning readings highest, (1) 56° at Brindisi and Malta and 55° at Oran and Algiers; slightly above 50° at the Mediterranean stations generally and also in the south-west of Ireland. Lowest, 13° at Moscow, 19° at Helsingfors, and 22° at Hangö and St. Petersburg, below the freezing point in most parts of Russia and Scandinavia, and very little above it over central Europe, and the eastern and south-eastern parts of England. Rapid rise occurring over England during day, thermometer reaching 57° at Loughborough and Cambridge. Rising to 60° and upwards in many parts of southern Europe.

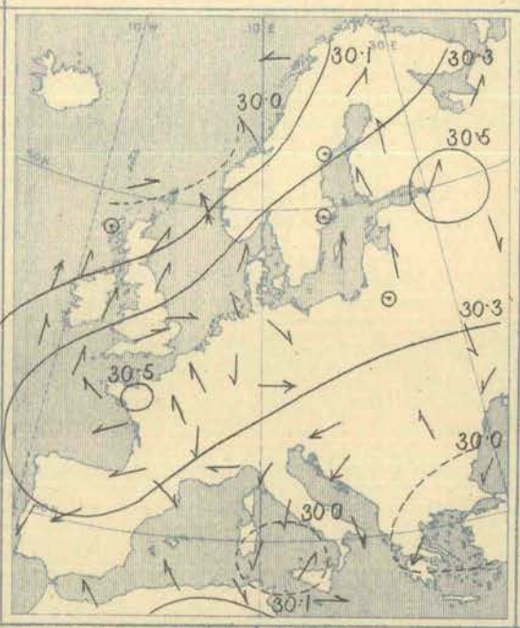
Wind light to moderate from the Southward or South-Westward in most parts of our Islands, but North-Westerly in the south-east of England. Northerly or North-Westerly over France, Spain, Denmark, the Netherlands, and western Germany, but South-Easterly or Southerly over eastern Germany, the Baltic, and the western parts of Russia, North-Easterly or Easterly over the northern parts of Italy and the Adriatic, but Southerly or South-Westerly in the south of Italy. Subsequently backing to the South-Westward in the south-east of England, and freshening a little from the same quarter on our extreme north-west coasts; no important change occurring elsewhere.

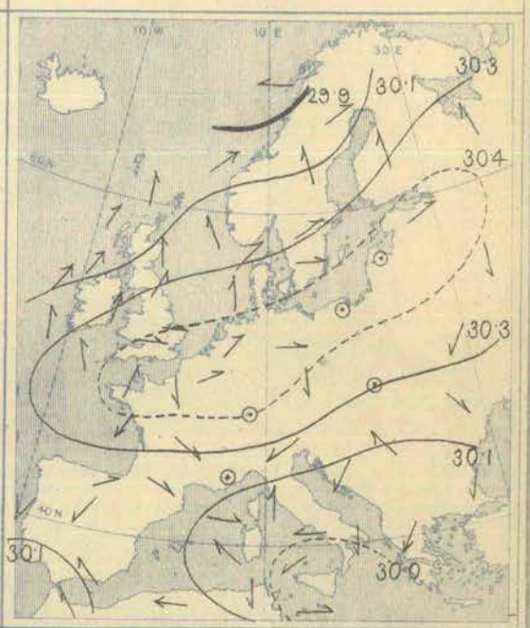
Barometer highest, 30·5 ins. and upwards in an anticyclone over northern and central Russia, 30·3 ins. and upwards in another system over the Bay of Biscay, the west and north of France, and the south of England. Lowest, 29·8 ins. and less in a depression over Corsica, Sardinia, and the western parts of Italy, 29·9 ins. and less in a shallow system lying off the north of Scotland. Latter disturbance subsequently moving away to the northward, but fresh disturbance passing north-eastward along our extreme north-west coasts.

Friday, 15th March.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine at some of our eastern and southern stations, but cloudy over the United Kingdom generally, with rain on our extreme north-west coasts. Fine and bright over Belgium, France, and the Spanish Peninsula, as well as at some of the Italian stations; dull over the northern, eastern, and central parts of the Continent, with rain at Vienna, and with snow at Stockholm, Swinemunde, Berlin, and Munich. Rain falling later in the north of Scotland, as well as in Norway and Denmark, and snow in Sweden.

Temperature risen in our Islands, Scandinavia, and Finland, but fallen in most other countries. Morning readings highest, 57° at Brindisi and Sfax, 56° at Palermo, and 55° at Sanguinaires and Malta, above 50° at several of the Mediterranean stations, and just touching that point at Valencia (Ireland). Lowest, 13° at Moscow, 17° at Kiev, 22° at St. Petersburg, and 24° at Kuopio, below the freezing point in several parts of northern, eastern, and central Europe, and also over central France. Rising during day to 50° and upwards in most parts of the United Kingdom, and reaching 56° at York and Loughborough, exceeding 60° over southern Europe generally, and reaching 66° at Oporto and Palermo.

Wind light to moderate from the Southward or South-Westward over our Islands; South-Easterly or Easterly in the west of Norway, with a gale at Skudesnaes. Light from the Southward or South-Eastward over Sweden, Finland, and the Baltic, but Westerly or North-Westerly over eastern Germany and Austria. Light to moderate from the Eastward or North-Eastward over the Spanish Peninsula, northern Italy, and the west and south of France; South-Westerly or Westerly in Sicily and Malta. No important change occurring during day.

Barometer highest, 30·5 ins. and upwards in an area lying between St. Petersburg and Moscow, 30·3 ins. and upwards in an anticyclone embracing nearly the whole of Russia and extending over the central parts of the Continent to England, France, and the Bay of Biscay. Lowest, 30·0 ins. and less in three shallow depressions—one lying to the northward of our Islands, another over the central parts of the Mediterranean, and the third over south-eastern Europe. New depression skirting our extreme north-west coasts later, and barometer falling rather decidedly in the Hebrides.

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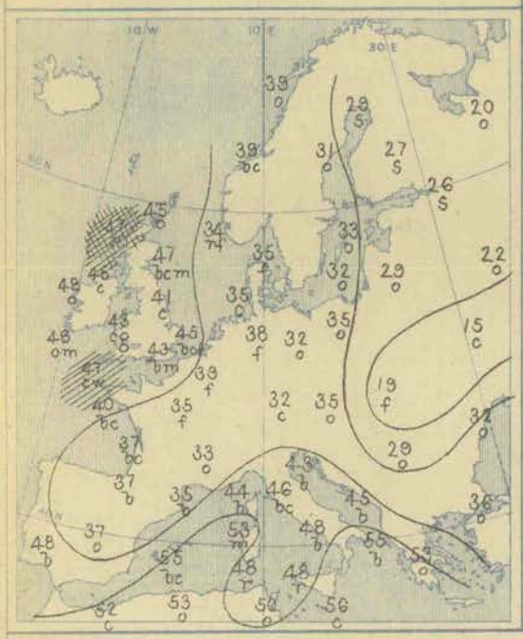
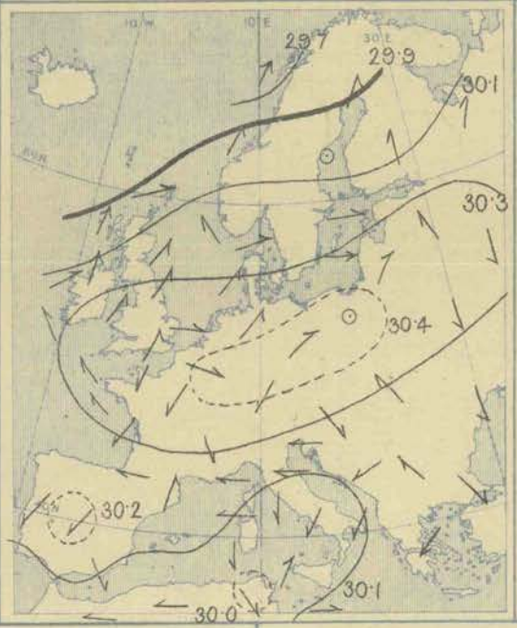
Saturday, 16th March.

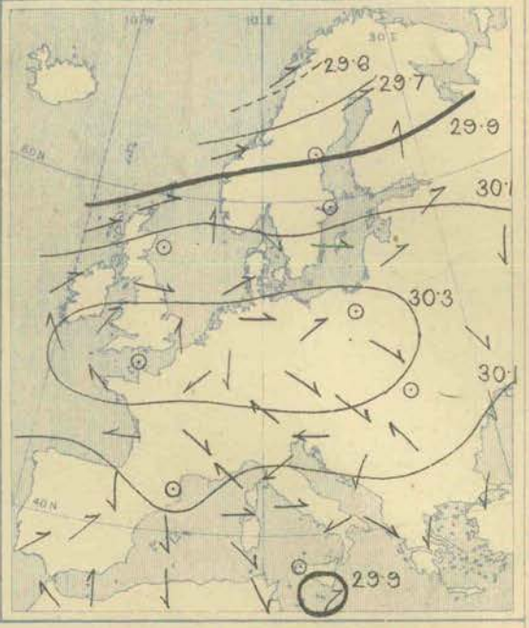
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western and southern Europe generally, but with fog or mist in many parts of England, Denmark, Belgium, and France. Dull in the extreme north and north-west of our Islands and also in most of the northern, eastern, and central parts of the Continent, with rain at Stornoway, Skudesnaes, and Fanö, and with snow in Finland. A little rain falling later in the Shetlands, Hebrides, and north of Ireland, as well as at many of the Scandinavian and Danish stations.

Temperature risen over the northern parts of our Islands and the Continent, as well as in France and Spain, but fallen elsewhere. Morning readings highest, 56° at Malta and Sfax, and 55° at Palma and Brindisi, above 50° at several of the Mediterranean stations, and above 45° over the south-western and northern parts of the United Kingdom. Lowest, 15° at Kiev, 18° at Kharkov, 19° at Lemberg, and 20° at Archangel; below the freezing point over nearly the whole of Russia and Austria, and very little above it in Germany and central France. Rising during day to 55° and upwards in many parts of the United Kingdom and France, and reaching 60° at Parsonstown. Sharp ground frost occurring over central England at night.

Wind South-Westerly over the greater part of our Islands, as well as over Scandinavia, Denmark, the Baltic, and northern Russia; light or moderate in force generally, but strong in the Hebrides and also in the north-west of Norway. Light from the Eastward or North-Eastward over the English Channel, France, and the greater part of southern Europe. Variable over Germany and Austria, no important change occurring during day.

Barometer highest, 30·4 ins. and upwards over Germany and Belgium; 30·3 ins. and upwards in a large anticyclone extending from England and France to central Russia. Lowest, 29·7 ins. and less in a depression lying off the north-west of Norway; 30·0 ins. and less in a small shallow system lying off the coasts of Tunis. Barometer falling in most parts of western Europe during day, briskly in the west of Norway, but general distribution of pressure remaining unchanged.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of last week barometrical pressure was highest over eastern Europe, the lowest readings being found at first in a rather shallow depression which lay at the mouth of the St. George's Channel, and afterwards in a deeper disturbance which advanced over Portugal from the south-westward. The former depression subsequently travelled slowly in a north-north-easterly direction across Great Britain and gradually filled up; while the latter, after spreading out in a northerly direction and occasioning heavy rain at some of our own south-western stations, moved eastwards to the central parts of the Mediterranean.

On the 11th, a new high-pressure area began to extend over our Islands and France from the south-westward, the system eventually spreading eastwards and becoming merged in the large anticyclone which still lay over Russia. Fair weather now set in over all but the extreme north-western parts of our Islands and the Continent, where the conditions were affected by a series of depressions which skirted the Irish and Scotch coasts, and which afterwards passed on to the north-west of Norway. Over the southern European countries the wind was mostly light and variable, but, in the north and north-west, a mild South-Westerly current set in, the thermometer rising decidedly and reaching a high level for the time of year by the close of the week. Fog and mist were rather prevalent over the central parts of our Islands and the Continent.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 62.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	9·9	?	12	?	EASTBOURNE	40·4	?	50	?
OSWALDKIRK (Yorkshire)	20·5	?	26	?	MANCHESTER (Oldham Road)	6·0*	?	7*	?
WORKSOP	24·9	+ 3·6	31	+ 4	TENBY	30·7*	?	38*	?
THURCASTON (Leicestershire)	25·3	+ 5·8	31	+ 7	NEWQUAY	20·5	?	25	?
MARGATE	30·0	?	37	?	TORQUAY	33·1*	?	41*	?
WESTBOURNE (Sussex)	50·1*	?	62*	?	ARLEY COTTAGE (County Cavan)	11·9	?	15	?
BRIGHTON	39·5	?	49	?	GUERNSEY	49·3*	?	61*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 12.] *Third Series.* WEEK ENDING SATURDAY, MARCH 23RD, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 68.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	57	30	48·7	38·3	43·4	4 above	25	+16	10	−23	35	− 43	710	+308
	1. SCOTLAND, EAST	57	25	50·4	38·0	44·0	4 above	31	+15	11	−23	38	− 82	876	+437
	2. ENGLAND, N.E.	61	30	54·1	38·9	46·3	6 above	43	+27	9	−22	58	− 63	713	+315
	3. ENGLAND, EAST	62	26	56·7	37·3	46·7	5 above	53	+32	13	−21	77	− 61	783	+333
	4. MIDLAND COUNTIES	66	27	56·6	37·5	46·8	5 above	53	+31	13	−20	76	− 84	856	+418
	5. ENGLAND, SOUTH	66	27	54·8	38·1	46·2	4 above	46	+24	11	−16	74	−102	713	+370
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	31	51·1	40·4	45·6	5 above	32	+18	4	−22	46	− 77	702	+378
	7. ENGLAND, N.W.	55	27	49·2	38·9	43·9	2 above	26	+11	9	−18	42	− 78	674	+340
	8. ENGLAND, S.W.	65	27	53·6	39·2	46·2	3 above	41	+20	8	−14	81	−122	624	+367
	9. IRELAND, NORTH	61	34	51·9	43·1	47·4	5 above	38	+18	0	−23	79	−104	577	+288
	10. IRELAND, SOUTH	60	29	54·0	42·6	48·1	4 above	43	+18	0	−19	104	−154	455	+231
	—CHANNEL ISLANDS	56	36	50·3	41·1	45·6	0 (average)	29	+ 4	3	− 6	126	−145	353	+255

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 68.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	15	6 more	52	− 9	8·4	− 5·6	18	− 3	21	− 4	181	+ 29	25	+ 3
	1. SCOTLAND EAST	4	3	2 less	42	− 5	5·0	− 2·1	21	+ 3	25	+ 3	181	− 3	27	0
	2. ENGLAND, N.E.	3	3	1 less	51	+ 8	6·7	+ 1·6	28	+ 3	33	+ 3	217	+ 42	27	+ 5
	3. ENGLAND, EAST	4	3	0 (average)	46	+ 3	4·7	− 0·4	33	+ 6	39	+ 8	228	+ 29	29	+ 4
	4. MIDLAND COUNTIES	3	3	1 less	35	− 6	4·5	− 1·5	27	+ 2	33	+ 4	213	+ 34	26	+ 4
	5. ENGLAND, SOUTH	3	2	2 less	35	− 6	4·0	− 2·3	28	− 2	34	− 2	248	+ 33	28	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	14	6 more	42	− 9	5·7	− 7·7	12	−12	14	−15	206	+ 35	26	+ 5
	7. ENGLAND, N.W.	5	12	6 more	41	− 5	5·4	− 2·1	11	−11	13	−13	166	+ 32	25	+ 5
	8. ENGLAND, S.W.	3	9	2 more	39	− 8	6·7	− 3·1	32	+ 2	38	+ 3	275	+ 51	33	+ 6
	9. IRELAND, NORTH	5	9	3 more	49	− 5	6·4	− 1·8	7	−18	8	−20	201	+ 24	26	+ 3
	10. IRELAND, SOUTH	3	10	4 more	41	− 8	8·3	− 1·6	15	−16	15	−19	231	+ 14	28	+ 1
	—CHANNEL ISLANDS	4	2	4 less	48	− 5	6·3	− 1·9	25	−15	30	−18	305	+ 66	40	+ 8

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was unsettled and changeable in the west and north, with frequent falls of rain; the amounts were, as a rule, small, but those measured on Saturday were very heavy at some of the western stations. In the south and south-east the conditions were generally fair or fine; much fog was experienced, however, at most of the English Channel stations during the latter part of the week.

Temperature was high for the time of year, exceeding the mean in all districts excepting the Channel Islands. Over the greater part of the Kingdom the excess ranged from 4° to 6°, but, in England S.W., it was only 3°, and in England N.W., no more than 2°. The highest of the maxima occurred, as a rule, on the 22nd, and ranged from 66° in the Midland Counties and England S., and 65° in England S.W., to 56° in the Channel Islands, and to 55° in England N.W. The lowest of the minima were registered during the earlier days of the period, when they varied from 25° in Scotland E. and 26° in England E. to 34° in Ireland N. and to 36° in the Channel Islands.

Rainfall exceeded the mean in all the "Grazing" districts as well as in Scotland N., but was less than the normal in most of the "Wheat-producing" districts and in the Channel Islands.

Bright Sunshine was slightly in excess of the mean at most of our more eastern and south-western stations, but showed a deficit in the west and north-west and also in the Channel Islands. The percentage of the possible duration ranged from 8 to 15 in Ireland and from 14 to 25 in Scotland, while over England it varied from 39 in England E., 38 in England S.W., and 34 in England S., to only 13 in England N.W.

Barometer and Wind.—During the whole of this period the barometer was highest in the south-west and south, and lowest in the north. Several depressions, not large or deep, passed from the Atlantic over the extreme northern parts of the Kingdom and the North Sea, and caused no great increase in the force of the Westerly winds even in Scotland. Towards the end of the week, however, pressure gave way quickly at all our western stations, and the wind backed to the Southward very generally, and increased considerably in force on our western coasts.

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II.—DATA from which the SUMMARY on page 67 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	48	30	44·6	34·4	39·4	+ 0·8	7	28	7	0·98	+0·38	*	*	*	*
	Stornoway	53	35	50·0	38·9	44·3	+ 4·4	29	9	6	1·32	+0·49	19·9	- 3·5	24	- 4
	Wick	55	34	48·9	38·0	43·3	+ 3·5	26	11	5	0·44	+0·01	*	*	*	*
	Glencarron §	53	34	48·0	38·0	42·9	+ 4·1	23	11	7	2·77	+1·37	*	*	*	*
	Fort Augustus §	57	32	51·0	39·0	44·8	+ 5·0	32	8	5	0·95	+0·33	16·8	?	20	?
	Fort William §	52	33	49·8	41·3	45·4	+ 4·6	27	2	6	2·35	+1·06	15·7	?	19	?
1. SCOTLAND, E.	Nairn	57	32	52·4	39·1	45·6	+ 5·4	37	8	5	0·35	-0·03	*	*	*	*
	Aberdeen	57	32	51·6	38·7	45 0	+ 5·1	35	9	5	0·29	-0·21	29·0	+ 2·6	35	+ 3
	Braemar §	49	25	46·0	35·3	40·5	+ 3·7	11	25	3	0·19	-0·36	19·7†	?†	23†	?†
	Ochtertyre §	56	28	52·6	37·4	44·8	+ 5·0	39	13	4	0·64	+0·04	*	*	*	*
	Leith §	57	33	53·0	39 1	45·8	+ 4·2	39	8	6	0·22	-0·12	*	*	*	*
	Marchmont §	55	29	47·0	38·1	42·4	+ 3·1	19	11	3	0·11	- 0·46	18·3	?	22	?
2. ENGLAND, N.E.	Alnwick Castle	56	34	51·9	40·3	45·9	+ 6·1	34	5	2	0·36	-0·16	*	*	*	*
	Durham	60	30	54·4	37·0	45·4	+ 5·3	45	14	2	0·11	-0·39	26·3	+ 1·3	31	+ 2
	Shields	58	35	53·6	28·4	45·8	+ 5·0	42	10	3	0·20	-0·22	*	*	*	*
	Scarborough Ml	59	38	56·1	39·5	47·6	+ 6·4	50	7	4	0·24	-0·23	*	*	*	*
	York	61	32	56·6	38·4	47 2	+ 5·8	52	10	4	0·62	+0·23	27·8	+ 4·3	38	+ 5
	Spurn Head	55	37	51·9	39·7	45·6	+ 4·8	35	6	4	0·39	+0·11	*	*	*	*
3. ENGLAND, E.	Hillington Ml	60	31	57·3	37·1	46·9	+ 5·3	55	14	4	0·40	+0·02	36·5	+11·0	42	+13
	Yarmouth	58	36	52·4	38·9	45·5	+ 5·4	38	9	4	0·27	-0·13	*	*	*	*
	Geldeston	62	27	57·9	36·2	46·7	+ 4·8	57	16	4	0·30	0·02	39·1	+ 9·1	47	+12
	Cambridge	62	26	58·9	36·9	47·6	+ 5·8	61	14	4	0·32	0·00	26·9	- 2·8	32	- 1
	Rothamsted	60	30	56·9	37·3	46·8	+ 5·6	53	13	4	0·34	-0·05	28·8	?	34	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	62	34	56·9	40·4	48·4	+ 6·9	52	4	3	0·17	-0·21	*	*	*	*
	Loughborough	61	28	57·3	36·4	46·5	+ 4·4	55	16	2	0·29	-0·09	*	*	*	*
	Stamford (Ketton Hall)	62	27	58·7	36·7	47·4	+ 5·3	60	15	4	0·56	+0·19	*	*	*	*
	Cheadle Ml	58	35	53·6	39·0	46·1	+ 5·9	41	8	5	0·49	+0·01	*	*	*	*
	Solihull	59	29	54·4	37·2	45·6	+ 4·0	45	13	4	0·34	?	*	*	*	*
	Churchstoke Ml	61	29	55·8	37·7	46·5	+ 5·9	50	12	3	0·33	-0·10	29·8	+ 3·9	36	+ 6
	Hereford Ml	66	28	58·9	38·7	48·5	+ 5·9	59	9	2	0·34	-0·04	*	*	*	*
	Cirencester	61	27	55·9	34·9	45·1	+ 4·5	52	20	3	0 27	-0·20	27·9	+ 1·8	33	+ 2
	Oxford	64	30	57·9	36·4	46·8	+ 4·5	57	16	2	0·17	-0·21	27·7	+ 1·0	38	+ 1
5. ENGLAND, S.	London	64	32	57·7	39·1	48·1	+ 5·2	55	8	3	0·16	-0·19	21·5†	+ 0·7†	26†	+ 1†
	North Foreland	61	35	54·1	37·3	45·5	+ 3·8	44	13	2	0·16	?	*	*	*	*
	Strathfield Turgiss Ml	66	28	58·6	36·5	47·2	+ 4·8	60	15	5	0·26	-0·08	*	*	*	*
	Dungeness	63	27	49·6	35·4	42·3	+ 0·4	30	18	3	0·17	-0·25	*	*	*	*
	Hastings (St. Leonards)	55	36	52·4	39·6	45·8	+ 2·4	37	7	3	0·40	-0·05	30·7	- 2·0	37	- 1
	Southampton	66	33	58·4	40·5	49·2	+ 5·7	57	4	2	0·08	-0·36	25·3	- 5·3	30	- 8
	Hurst Castle	58	33	52·7	38·7	45·5	+ 2·8	38	9	3	0·23	-0·17	*	*	*	*
	Stowell Ml	59	32	54·6	37·6	45·9	+ 4·1	46	12	5	0·37	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	59	35	53·3	41·0	47·0	+ 5·6	39	3	7	2·23	+0·75	*	*	*	*
	Glasgow	54	35	50·5	40·2	45·2	+ 4·8	30	5	4	0·77	+0·23	11·1	- 8·1	13	-19
	Ardrossan	53	36	48·9	41·1	44·9	+ 3·3	24	3	6	1·12	+0·58	*	*	*	*
	Glenlee §	56	31	51·6	39·3	45·3	+ 5·8	34	8	6	1·44	+0·88	*	*	*	*
	Douglas (Isle of Man)	56	36	51·1	40·5	45·6	+ 3·9	32	4	4	1·58	+0·95	12·6	-16·4	15	-20
7. ENGLAND, N.W.	Stonyhurst	51	29	49·0	37·1	43·0	+ 2·2	28	14	6	1·86	+1·09	13·3	- 9·3	16	-12
	Blackpool Ml	52	27	46·9	36·3	41·4	+ 0·2	14	22	6	1·30	+0·79	11·9	-10·7	14	-13
	Manchester (Prestwich)	55	27	51·4	36·4	44·7	+ 3·4	34	10	5	1·18	+0·64	10·2	?	12	?
	Liverpool Obsy. (Bidston)	54	31	49·7	39·0	44·2	+ 1·9	28	8	5	0·69	+0·31	*	*	*	*
	Llandudno Ml	55	37	50·6	41·8	46·1	+ 2·7	30	1	4	1·02	+0·58	10·4	-11·7	12	-14
	Holyhead	52	35	47·4	40·6	43·9	+ 0·5	19	4	4	0·86	+0·36	*	*	*	*
8. ENGLAND, S.W.	Llandovery	65	27	56·9	38·3	47·3	+ 4·5	53	10	4	2·66	+1·88	*	*	*	*
	Pembroke	51	30	47·1	39·1	43·0	0·0	19	8	6	1·16	+0·64	23·9	- 7·3	28	- 9
	Bristol (Montpelier)	59	33	56·0	38·7	47·1	+ 4·5	50	9	2	0·26	-0·25	*	*	*	*
	Arlington (N. Devon)	58	32	52·3	38·0	44·9	+ 3·3	37	11	5	1·52	+0·75	*	*	*	*
	Cullompton Ml	65	32	57·9	39·3	48·3	+ 5·6	55	8	2	0·17	-0·37	33·1	+ 4·4	39	+ 5
	Falmouth	58	38	53·4	41·0	47·0	+ 2·3	39	3	1	0·36	-0·41	44·3	+14·3	53	+16
	Plymouth	60	35	51·4	40 0	45·5	+ 1·8	33	6	2	0 41	-0·18	30·4	- 1·1	36	- 1
	Prawle Point	62	35	54·1	39·3	46·5	+ 3·8	43	8	3	0·35	-0·11	*	*	*	*
9. IRELAND, N.	Malin Head	51	43	49·3	43·9	46·5	+ 3·9	52	0	6	1·05	?	*	*	*	*
	Londonderry	55	43	52·4	44·6	48·4	+ 6·4	45	0	5	1·16	+0·54	*	*	*	*
	Edenfel (Omagh)	54	37	51·1	43·1	47·0	+ 5·8	35	0	5	0·59	+0·07	*	*	*	*
	Belmullet	52	37	50·6	45·0	47·7	+ 3·3	40	0	7	1·10	?	*	*	*	*
	Markree Castle	61	35	54·4	43·2	48 6	+ 7·1	46	0	5	0·91	+0·37	6·9	-17·8	8	-21
	Brookeborough	58	34	52·2	42·2	47·1	+ 6·1	36	0	4	0·89	+0·17	*	*	*	*
	Armagh	59	38	52·9	42·9	47·8	+ 6·5	41	0	4	0·60	+0·12	5·8	-16·4	7	-20
	Donaghadee	59	34	52·0	40·4	46·0	+ 3 6	35	4	6	0·70	+0·25	*	*	*	*
	Edgeworthstown	59	34	52·0	42 6	47 2	+ 6·1	36	0	4	1·12	+0·50	*	*	*	*
10. IRELAND, S.	Dublin	58	36	55·2	44·8	49·9	+ 6·3	55	0	3	0·41	-0·07	18·6	- 9·4	22	-11
	Parsonstown	55	31	53·7	40 9	47·1	+ 4·6	40	3	3	0·48	-0·04	8·8	-19·2	10	-22
	Kilkenny	59	29	56·3	41·4	48·6	+ 5·5	49	2	1	1·36	+0·88	*	*	*	*
	Roche's Point	60	37	53·4	42·6	47 8	+ 3·0	41	0	2	1·14	+0·34	*	*	*	*
	Valencia	54	34	52·3	43·1	47·6	+ 1·8	39	0	5	1·31	+0·41	10·2	-21·8	12	-26
	Killarney	58	29	55·5	41·4	48 2	+ 3.8	46	2	4	1·35	?	*	*	*	*
	Foynes	54	34	51·5	43 7	47·4	+ 3·7	38	0	4	1·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	38	50·6	42·6	46·5	+ 0·6	32	0	3	0·14	-0·39	23·2	?	28	?
	Jersey	56	36	50·0	39·6	44·7	- 0·4	29	7	5	0·15	-0·36	20·6	-15·2	25	-18

Stations marked Ml are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

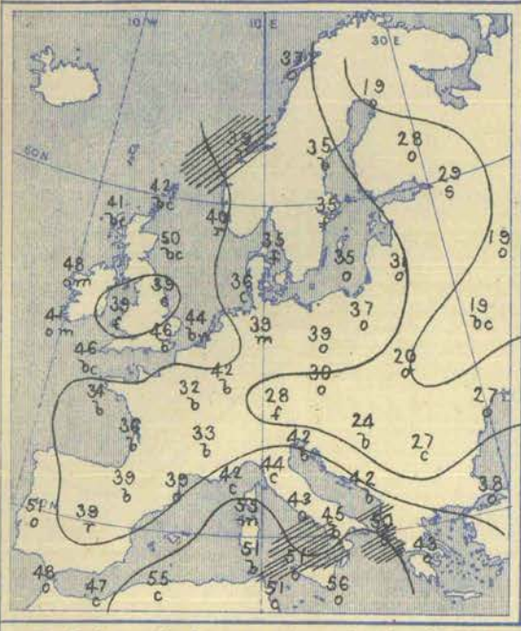
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 17th March.

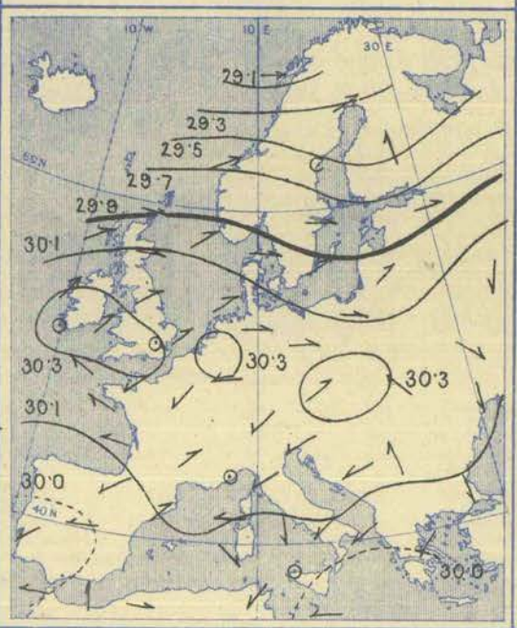
Temperature and Weather.

8 a.m.

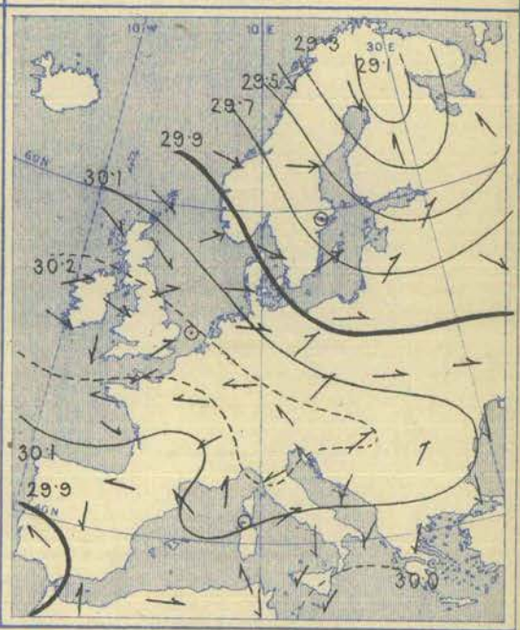


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over western and southern Europe as a whole, but foggy or hazy in many parts of Ireland, England, and the Channel; dull over northern Europe and Russia, with rain in the west of Norway and fog over the south of Sweden. Slight rain in the extreme north of our Islands and Norway later, some snow over northern Europe, in Poland, and Hungary, but very fine conditions prevailing over the British Islands, France, and the Mediterranean as a whole.

Temperature fallen decidedly over the United Kingdom. Morning readings highest, 50° and more on the southern shores of the Mediterranean and the coast of Portugal, and exceeding 40° over the greater parts of our Islands. Lowest, 19° at Uleaborg, Moscow, and Kiev, 20° at Lemberg, 24° at Buda-Pesth, 28° at Munich, 30° at Limoges, 32° at Paris; 30° at Loughborough, 32° at Oxford. Rising later to between 50° and 60° over the British Islands and the north of France, to 67° at Perpignan, to 60° and more over the south of Italy, and to upwards of 65° in some parts of Algeria.

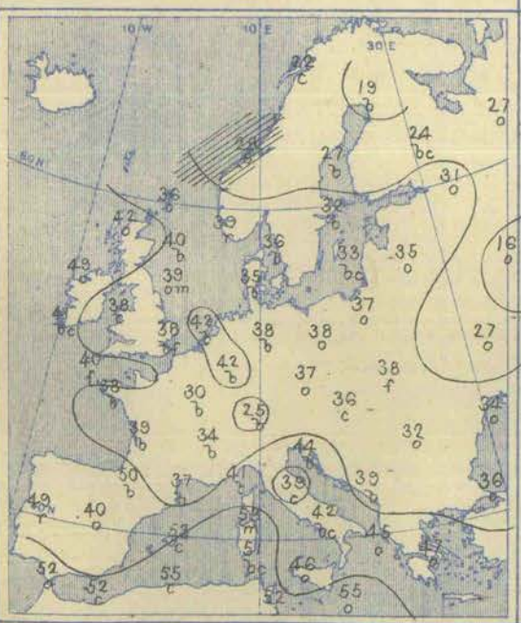
Wind Westerly or South-Westerly over the northern countries and of moderate force, but blowing strongly on the north-western coasts of Norway; Easterly over the southern countries, extremely light and variable over central Europe. Veering to North-West in Norway later and blowing more strongly, little change elsewhere.

Barometer highest, 30·3 ins. and more to 30·1 ins. in a broad band covering nearly the whole of the British Islands, western and central Europe, and central Russia. Lowest, below 29·1 ins. over Lapland on the one hand and below 30·0 ins. over the south-eastern parts of the Mediterranean and the south-western parts of the Spanish Peninsula on the other. Gradients steep over Finland and the north of Scandinavia. Low pressure area in far north moving south-eastwards later.

Monday, 18th March.

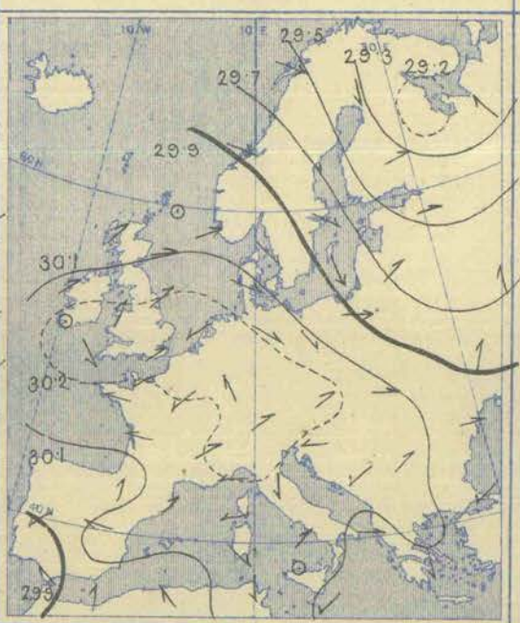
Temperature and Weather.

8 a.m.

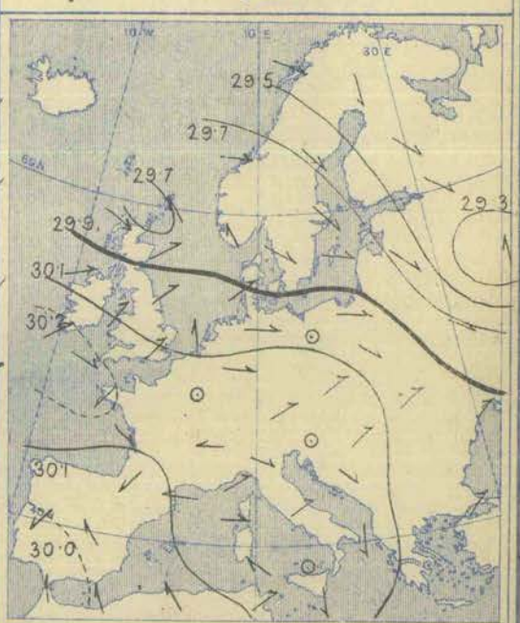


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fine over the Mediterranean, France, the greater part of our Islands, Denmark, and Sweden, but hazy or foggy over the greater part of England; cloudy or overcast in most other places, rainy in the south of Portugal. Rain falling later (1) over all the north-western and northern parts of our Islands and some parts of Scandinavia and northern Europe; (2) over the Netherlands and east of England. Continuing fine over the greater part of England all day.

Temperature fallen decidedly over northern Europe, risen over the southern half of Russia. Morning readings highest, 55° at Malta, and exceeding 50° at several of the Mediterranean stations and San Fernando; 49° at Belmullet, 42° at Sumburgh Head. Lowest, (1) 19° at Haparanda, 22° at Bodö, 27° at Helsingfors; (2) 19° at Kharkov, 27° at Kiev; (3) 25° at Munich, 30° at Paris. Rising later to between 55° and 61° over the inland parts of England, and to upwards of 50° over our Islands as a whole; touching 64° at Biarritz, 63° at Palermo, and 68° at Oran.

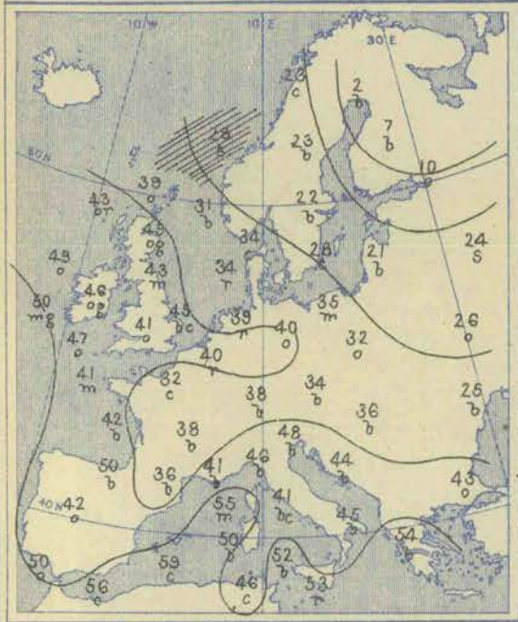
Wind (1) light and anticyclonic over the greater part of central Europe, England, and the south of Ireland; (2) North-Westerly, strong to moderate, over Scandinavia, but South-South-Westerly on our north-west coasts, and South-Easterly at Wick; (3) Easterly over the Iberian Peninsula and eastern parts of the Mediterranean, but Northerly to Westerly over the greater part of Italy. Veering Westwards over the northern parts of Ireland and the west of Scotland later and blowing rather strongly; becoming South-Westerly to Southerly over England.

Barometer highest, 30·2 ins. and more to 30·1 ins. over Ireland, England, France, the south-western parts of Germany, southern Europe, and the Mediterranean. Lowest, (1) about 29·2 in a depression over the north-east of Finland; and below 29·5 ins. over northern Europe generally; (2) below 29·9 ins. over the south-west of Spain. New small depression advancing to our northern coasts during day, and thence proceeding to Denmark; disturbance over Lapland moving south-eastward to north of Russia.

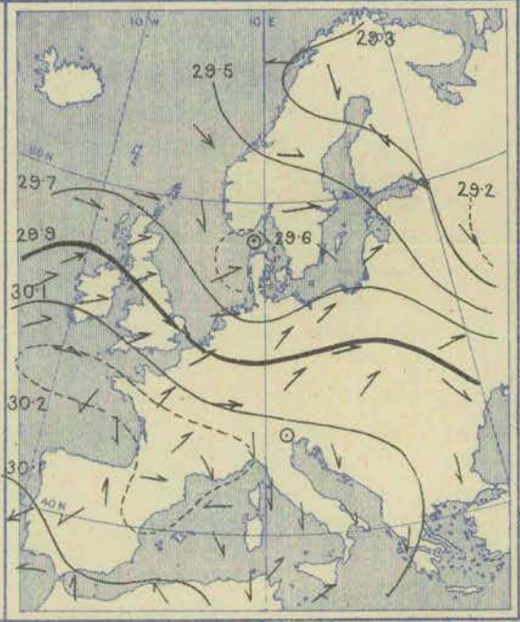
Wyman & Sons Ltd Lith 63 Castor Lane

Tuesday, 19th March.

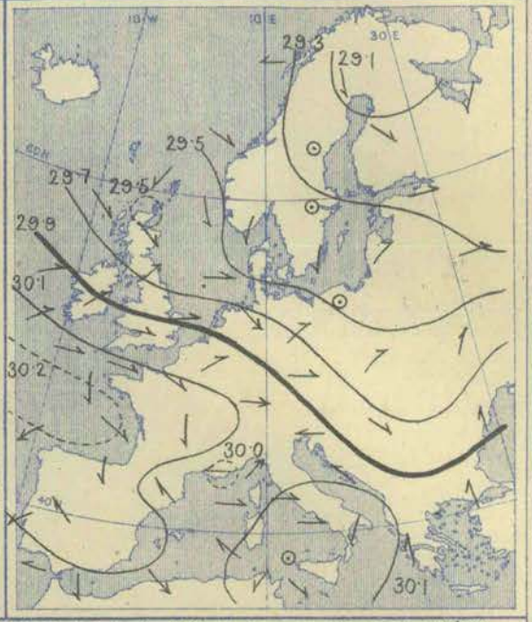
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean and southern Europe, also at the stations in Sweden and the south of Norway; cloudy or overcast elsewhere, with rain at several stations in the British Isles and on the eastern side of the North Sea, snow at Copenhagen and Moscow. Rain falling later over the British Isles, the North Sea, the north-east of France, the Netherlands, and Germany, but amounts slight except at Berlin and in a few other localities.

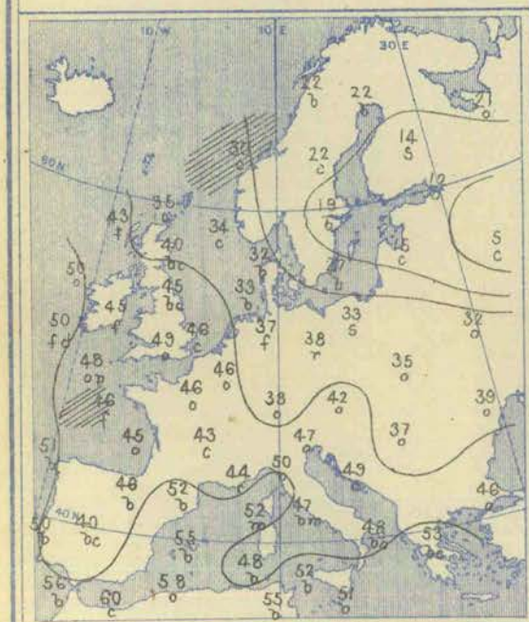
Temperature rather higher over north-western, western, and eastern Europe than on the 18th. Morning readings highest, 59° at Algiers, 55° at Sfax and Oran, and exceeding 50° at many of the coast stations of southern Europe; 50° at Valencia (Ireland), and above 40° all over Great Britain and Ireland. Lowest, 2° Fahr. at Uleaborg, 10° at St. Petersburg and Hangö, 19° at Karlstad, and below 25° over Sweden and the north of Russia generally; above the freezing point over central Europe. Rising later to between 59° and 55° over our Islands and their neighbourhood, to 66° in some parts of Italy, to 66° at Biarritz, and to between 70° and 73° over some parts of Algeria.

Wind Easterly at Bodö, but North-Westerly to South-Westerly over north-western, northern, and central Europe generally and light or moderate in force. Northerly or North-Westerly in most of the southern countries, but North-Easterly or Easterly in Spain; light from the Northward or North-Eastward in the west of France. No important change occurring over western Europe, as a whole, during day, but South-Westerly to North-Westerly winds blowing over our northern district of a distinctly cyclonic character.

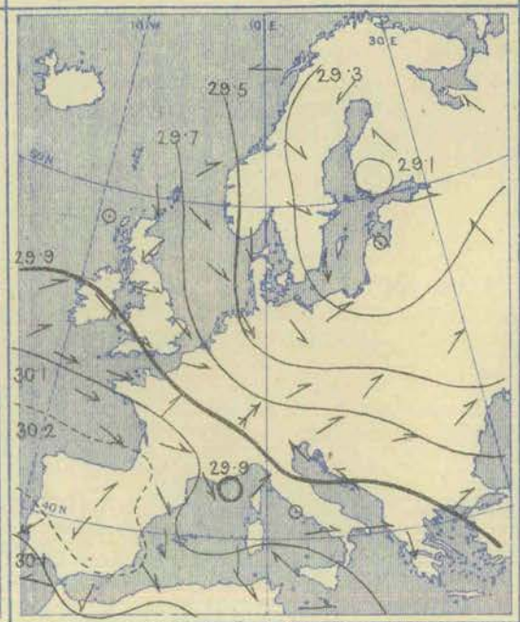
Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone covering the greater part of southern Europe and extending northwards over France and the south-west of our Islands. Lowest, 29·2 ins. and less in a large depression extending from central Russia over Finland and the north of Scandinavia; 29·6 ins. and less in a well-marked secondary system over Denmark. Another secondary disturbance appearing off the north of Scotland later and moving south-eastwards over the North Sea; Danish depression filling up. Barometer falling over western Europe generally.

Wednesday, 20th March.

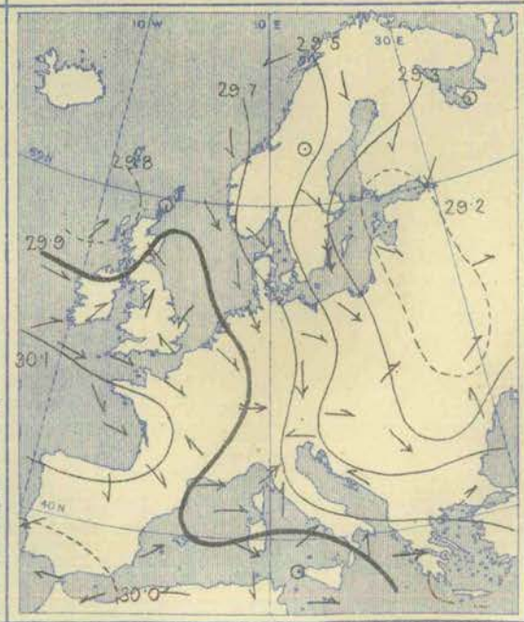
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Spanish Peninsula and southern parts of the Mediterranean, as well as over Denmark and the southern half of Sweden, cloudy or overcast and unsettled elsewhere, with rain in several parts of the British Isles, western and central Europe, snow in Poland and many parts of Russia. Rain falling later over the greater part of the United Kingdom, France, and Germany, the amounts being considerable on our north-west coasts, comparatively slight elsewhere, snow falling in Lapland. Aurora seen on our north-east coasts.

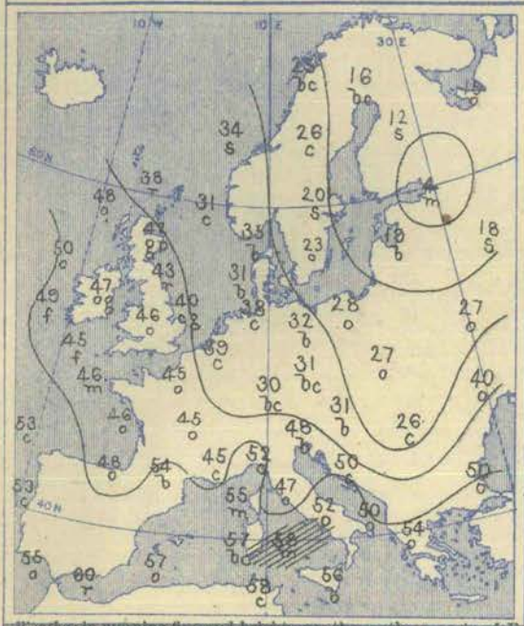
Temperature risen decidedly over Italy, France, and the south of England, changing little and somewhat fitfully elsewhere. Morning readings highest, 60° at Nemours, 59° at Oporto, and exceeding 50° at many stations in the extreme south and west of Europe and the British Isles. Lowest, 5° Fahr. at Moscow, 10° at Helsingfors, 12° at St. Petersburg, and below 20° over Finland generally, 21° at Karlstad, 22° at Bodö, 28° at Faerder. Rising later to between 50° and 56° over the inland parts of the British Isles; touching 64° at Biarritz and 67 at° Perpignan, 70° at Palermo, and 73° at Oran; succeeding night very mild over the United Kingdom.

Wind (1) North-Easterly to Northerly and moderate over Scandinavia, North-Westerly over north Germany, Westerly to South-Westerly over south Germany and Hungary, South-Easterly, very light, at Moscow; (2) calm in Scotland, Westerly, moderate, over Ireland and England, North-Westerly in the north-west of France, North-Easterly at Madrid, Easterly on the coast of Portugal; (3) very variable over the Mediterranean and Italy, but a small cyclonic circulation prevalent over the Gulf of Genoa. Light Southerly and South-Easterly breezes over Scotland later, but no general change reported.

Barometer highest, 30·2 ins. and more to 30·0 ins. over the Bay of Biscay, Spain, and south-western parts of our Islands and France, and the southern parts of the Mediterranean. Lowest, below 29·2 ins. in a large and complex depression covering the north of Russia, Finland, and the Baltic, and below 29·9 ins. in a minute disturbance over the Gulf of Genoa. Barometer rising a little over the Continent later, but no decided change occurring over Ireland and Scotland.

Thursday, 21st March.

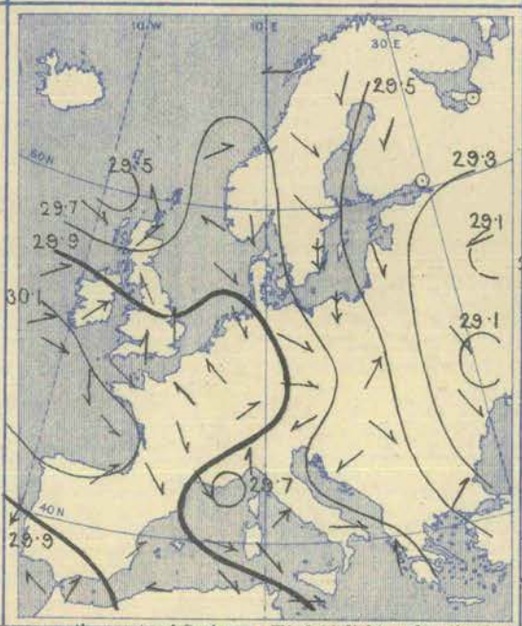
Temperature and Weather. 8 a.m.

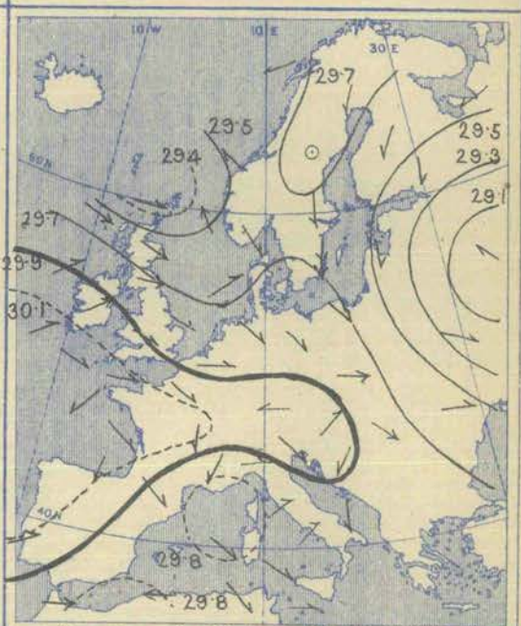


Weather in morning fine and bright over the southern parts of France, on the coasts of Spain, Denmark, some parts of Sweden and Lapland; cloudy or overcast elsewhere, foggy over the English Channel and south of Ireland, and rainy over the northern half of the United Kingdom; snow falling in several parts of Russia and at Vienna. Rain later in many parts of the United Kingdom and Germany, but amounts very small except at Sumburgh Head, snow in Russia, and a heavy fall of rain at Tunis. Aurora seen at Wick in evening.

Temperature fallen decidedly over central Europe. Morning readings highest, 61° at Barcelona and Oporto, 60° at Nemours, and exceeding 50° at most of the stations in southern Europe; 51° at Donaghadee, 49° at Valencia (Ireland) and Oxford. Lowest, 4° Fahr. at St. Petersburg, 12° at Kuopio, 18° at Moscow, and below 20° over the northern parts of Russia generally; 26° at Warsaw and Hermanstadt, 31° at Buda-Pesth, and 32° at Berlin. Rising later to between 56° and 63° over the major part of Great Britain, to 64° at several Italian stations, to 66° at Nice, 70° at Perpignan and Palermo, and 72° at Oran.

Barometer and Wind. 8 a.m. and 6 p.m.



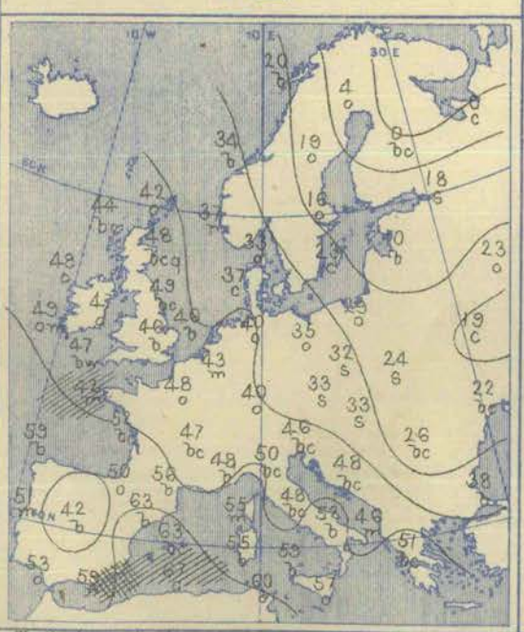


Wind (1) light and anticyclonic over the greater part of France and the Bay of Biscay; (2) Westerly at most of our northern stations, but South-Easterly at Sumburgh Head and Skudesnaes; (3) Northerly over the Baltic (a gale at Neufahrwasser), Westerly to North-Westerly over Austria-Hungary; (4) separate cyclonic circulation prevailing over the northern and eastern parts of the Mediterranean; (5) Easterly in Portugal. Blowing a gale in squalls on the north-east coasts of Scotland later, for a short time, but wind on northern side of Mediterranean falling light.

Barometer highest, 30·1 ins. and more to 29·9 ins. in an anticyclone spreading in from the Atlantic over Ireland, England, France, western Germany, and the north of Spain. Lowest, 29·1 ins. and less to 29·2 ins. in a complex depression over the southern half of Russia; (2) 29·6 ins. and less in another disturbance over the Shetlands and north of Scotland; (3) about 29·7 ins. in a third disturbance over Corsica; and (4) below 29·9 ins. over the north-west of Spain. Scotch depression moving north-eastwards later, and that over Mediterranean filling up, but barometer beginning to fall again in Ireland.

Friday, 22nd March.

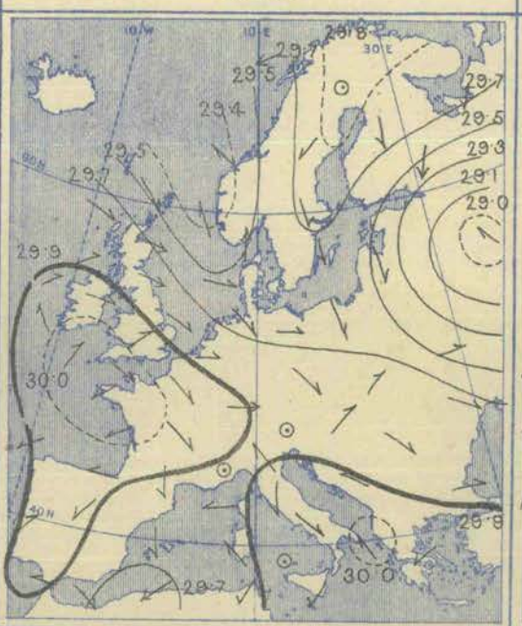
Temperature and Weather. 8 a.m.

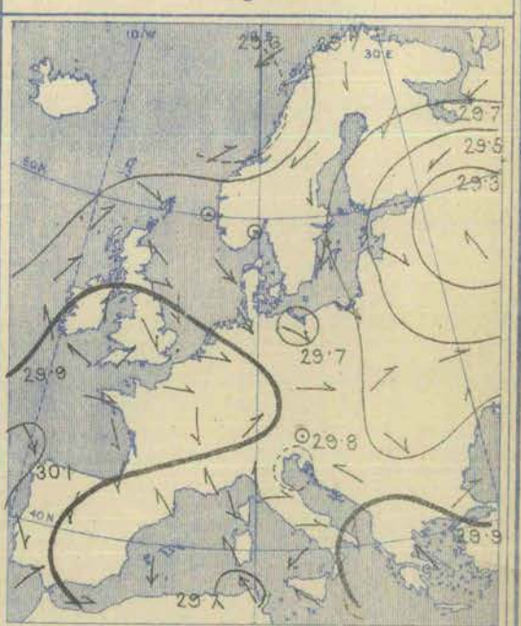


Weather in morning fine and bright over the north of Norway, Holland, the south-east of England, and at most of the Mediterranean stations, cloudy in the west of our Islands, with fog on our south-west coasts, dull in Sweden, Denmark, Germany, Austria, and central Russia, with snow in several places. Rain falling later in the west and north of our Islands, some snow over Poland, south Germany, and Russia, and considerable quantities of rain in Algeria.

Temperature in morning highest, 67° at Algiers, and exceeding 60° at several stations on the southern and western side of the Mediterranean; 59° at Palermo and Corunna, 52° at Rochefort, 51° at Pesaro; 49° at Valencia (Ireland) and at Shields, 46° at Wick. Lowest, 0° zero Fahr. at Archangel and Kuopio, 8° at Haparanda and Hangö, 10° at Riga, 23° at Moscow; much below the freezing point all over Russia and Hungary. Rising during day to 50° and more over Scotland and Ireland, to between 60° and 64° over the greater part of England, to 65° and more over Italy, 69° at Perpignan, 72° at Palermo, and 70° at Oran.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind very variable (1) Southerly in the west of our Islands, Westerly and North-Westerly in the east and over Holland, but South-Easterly to Easterly over Norway; (2) Northerly over Finland, the Baltic, and Baltic Provinces, Westerly in the south of Russia, but South-Easterly at Moscow. Very variable over central and southern Europe, but strong and cyclonic over Algeria. Freshening a little from the Southward over Ireland later, and blowing a stiff gale from the Northward over the Baltic.

Barometer highest, (1) exceeding 29·8 ins. over western and southern Europe as a whole, and exceeding 30·0 ins. over Brittany and the south-west of our Islands; (2) 29·8 ins. and more to 29·7 ins. over northern Europe. Lowest, (1) below 29·0 ins. in a well-marked depression over central Russia, (2) below 29·4 ins. in a "V" shaped system over the west of Norway, and below 29·7 ins. in another depression over Algeria. Norwegian and Russian depressions filling up later, but barometer beginning to fall rather decidedly over Ireland towards night.

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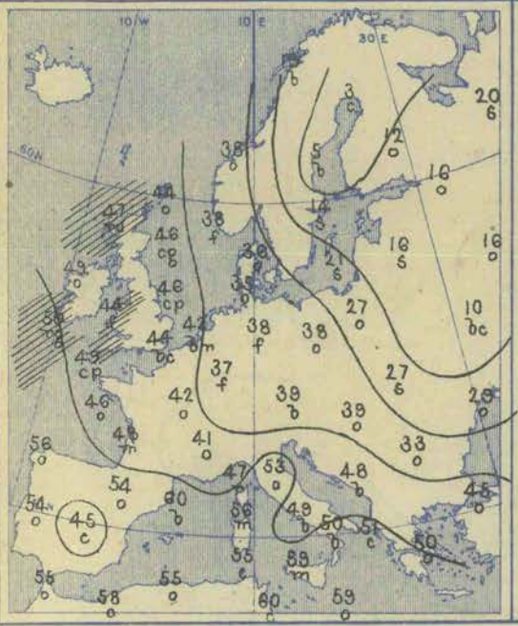
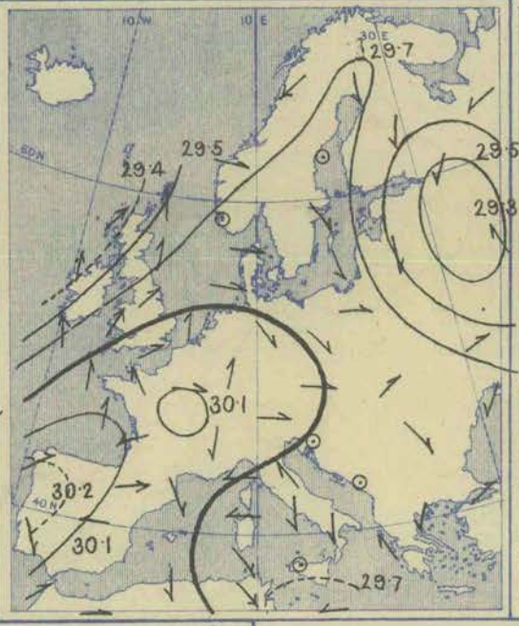
Saturday, 23rd March.

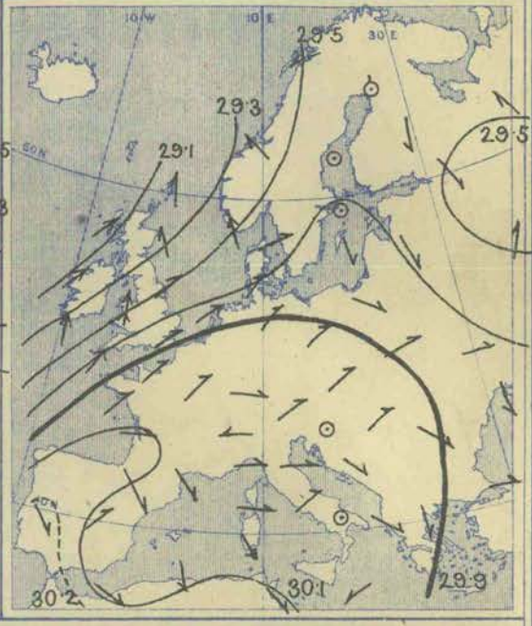
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over some (but not many) parts of southern Europe and also over the northern countries, dull elsewhere, especially in the west and north-west of our Islands, with rain in places; much fog still prevalent over the English Channel and the Netherlands. Rain falling later all over the British Islands and the eastern shores of the North Sea, the amounts being heavy in the south-west and north-west (1 in. and more in the south of Ireland), but comparatively slight elsewhere. Fog clearing in the Channel.

Temperature changing irregularly, fallen decidedly over eastern France and western Germany. Morning readings highest, 64° at Barcelona, 59° at Malta, 58° at Oran, and 50° to 56° on the Atlantic coasts of the Peninsula; 50° at Valencia (Ireland), 49° at Scilly, 47° at Stornoway. Lowest, (1) 3° at Haparanda, 7° at Hangö, 16° at St. Petersburg, Riga, and Moscow; (2) 10° at Kiev, 23° at Warsaw, 27° at Lemberg. Rising later to between 50° and 58° over our Islands as a whole, to 61° at Cambridge and Lyons, 63° at Nice and Lisbon, and to 74° at Perpignan. Succeeding night mild over our Islands.

Wind (1) light to moderate and anticyclonic over Spain, France, and central Europe; (2) Southerly and cyclonic in our Islands, strong to a gale at our western stations, moderate to light in the east; (3) Northerly and cyclonic on the eastern side of the Baltic, Westerly in the south of Russia, South-Easterly at Moscow. Gale continuing moderate, but spreading from our western stations over England and blowing for several hours.

Barometer highest, 30·2 ins. over Portugal and exceeding 30·0 ins. almost all over the Iberian Peninsula and France. Lowest, 29·3 ins. and less in a depression lying between St. Petersburg and Moscow; below 29·4 ins. in another off our north-west coasts, and below 29·8 ins. over Tunis and Malta. Falling fast over our Islands and Norway during day, especially in west and north, as a complex disturbance came over the Kingdom from the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➙ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was highest (30·3 ins. to 30·1 ins.) in a broad band extending from the southern half of Russia across central Europe and France to the Atlantic, and the only depressions of importance which appeared showed themselves first over Lapland, and moved thence in a south-easterly direction to central Russia. Gradually, however, the high-pressure area moved westwards and south-westwards, until, by the Wednesday, it covered the Bay of Biscay and Spain. The depression which then appeared reached our extreme northern coasts first, but they also passed in a south-easterly direction to Denmark, the Baltic, and central Europe, causing some showers over many parts of the United Kingdom, the North Sea, and Germany, with winds varying from South-West to West and North-West in direction.

The above conditions continued in force until Thursday, but, after this, the high-pressure area moved eastwards to France and the Mediterranean, the depressions which appeared began to move north-eastwards outside our extreme north-western coasts, the winds over western Europe became more Southerly, temperature rose, and rain became more general; in Ireland it was heavy.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 68.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	17·2	?	20	?	EASTBOURNE	32·1	?	38	?
(OSWALDKIRK (Yorkshire)	28·7	?	34	?	MANCHESTER (Oldham Road)	11·3*	?	13*	?
WORKSOP	23·4	− 1·4	28	0	TENBY	27·5*	?	33*	?
THURCASTON (Leicestershire)	27·6	+ 4·9	33	+ 8	NEWQUAY	25·1	?	30	?
MARGATE	31·9	?	38	?	TORQUAY	41·7*	?	50*	?
WESTBOURNE (Sussex)	32·9*	?	39*	?	ARLEY COTTAGE (County Cavan)	7·6	?	9	?
BRIGHTON	23·5	?	28	?	GUERNSEY	30·7*	?	37*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 13.] *Third Series.* WEEK ENDING SATURDAY, MARCH 30TH, 1895. [*Price 6d. Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 74.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	25	45·0	34·4	38·2	1 below	8	− 4	18	−13	43	−47	728	+295
	1. SCOTLAND, EAST	53	22	44·6	34·1	39·2	1 below	7	−12	28	− 4	45	−94	904	+433
	2. ENGLAND, N.E.	58	28	47·9	37·3	42·5	1 above	23	+ 5	13	−16	82*	−57	726	+299
	3. ENGLAND, EAST	60	32	50·5	37·8	44·0	2 above	32	+ 7	12	−20	109	−54	795	+313
	4. MIDLAND COUNTIES	58	30	49·1	37·2	43·1	1 above	28	+ 2	13	−19	104	−82	869	+399
	5. ENGLAND, SOUTH	57	34	50·0	39·3	44·5	1 above	29	+ 4	8	−17	103	−98	721	+353
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	57	31	46·4	36·1	41·1	1 below	12	− 4	23	0	58	− 81	725	+378
	7. ENGLAND, N.W.	54	32	46·5	38·0	42·2	1 below	18	+ 1	11	−13	60	− 77	685	+327
	8. ENGLAND, S.W.	56	34	49·2	39·6	44·3	1 above	26	+ 4	7	−12	107	−118	631	+355
	9. IRELAND, NORTH	54	31	46·9	36·7	41·7	1 below	14	− 9	21	+ 1	93	−113	598	+289
	10. IRELAND, SOUTH	56	35	43·4	39·8	44·4	0 (average)	26	− 1	6	−11	130	−155	461	+220
	—CHANNEL ISLANDS	54	39	50·7	42·4	46·4	0 (average)	31	+ 4	0	− 7	157	−141	353	+248

Rainfall.

	DISTRICTS. (See p. 74.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	15	7 more	59	− 7	9·9	− 4·8
	1. SCOTLAND EAST	6	15	11 more	48	− 2	6·5	− 1·1
	2. ENGLAND, N.E.	7	9	5 more	58	+12	7·5*	+ 1·9
	3. ENGLAND, EAST	6	9	5 more	52	+ 6	5·6	+ 0·1
	4. MIDLAND COUNTIES	7	9	5 more	42	− 2	5·4	− 1·1
	5. ENGLAND, SOUTH	6	8	4 more	41	− 3	4·8	− 1·9
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	11	3 more	48	− 7	6·8	− 7·4
	7. ENGLAND, N.W.	7	14	9 more	48	− 2	6·8	− 1·2
	8. ENGLAND, S.W.	7	15	9 more	46	− 5	8·2	− 2·2
	9. IRELAND, NORTH	7	14	9 more	56	− 2	7·8	− 1·0
	10. IRELAND, SOUTH	7	12	6 more	48	− 6	9·5	− 1·0
	—CHANNEL ISLANDS	7	11	6 more	55	− 2	7·4	− 1·3

Bright Sunshine.

	DISTRICTS. (See p. 74.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	25	+ 8	29	+ 9	206	+ 38	27	+ 5
	1. SCOTLAND EAST	11	−12	13	−15	192	− 15	26	− 1
	2. ENGLAND, N.E.	14	−10	16	−12	231	+ 31	26	+ 4
	3. ENGLAND, EAST	23	− 6	27	− 6	251	+ 23	29	+ 3
	4. MIDLAND COUNTIES	18	− 8	20	−10	231	+ 25	26	+ 3
	5. ENGLAND, SOUTH	29	− 4	33	− 5	277	+ 29	28	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	16	−11	19	−12	222	+ 24	25	+ 3
	7. ENGLAND, N.W.	10	−14	11	−15	176	+ 19	24	+ 2
	8. ENGLAND, S.W.	38	+ 3	44	+ 3	313	+ 54	34	+ 6
	9. IRELAND, NORTH	22	− 4	25	− 4	223	+ 21	26	+ 3
	10. IRELAND, SOUTH	29	− 3	33	− 3	260	+ 10	29	+ 1
	—CHANNEL ISLANDS	43	+ 4	50	+ 4	348	+ 69	41	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week was very unsettled and changeable. Rain fell daily in nearly all districts, but fine intervals were experienced at times, especially in the south and south-west. Thunder and lightning occurred at several of the English stations during the earlier days of the week.

Temperature did not differ materially from the mean, being slightly below it in the more northern districts, and a little above it in the south. The highest of the maxima were registered on the 24th, when they ranged from 60° in England E. and 58° in England N.E. and the Midland Counties to 51° in Scotland N. The lowest of the minima were recorded during the middle part of the period, when the thermometer fell to 22° in Scotland E., 25° in Scotland N., and 28° in England N.E., and to between 30° and 35° in all other districts except the Channel Islands, where the lowest reading was 39°.

Rainfall exceeded the mean in all districts, the excess being considerable over the greater part of England, large in most of the Irish and Scotch districts and in the western and north-western parts of England.

Bright Sunshine varied a good deal in amount in different parts of the Kingdom, but showed a deficiency in most districts, and only exceeded the normal in Scotland N., England S.W., and the Channel Islands. The percentage of the possible duration ranged from 11 in England N.W., 13 in Scotland E., and 16 in England N.E., to 33 in England S. and Ireland S., 44 in England S.W., and to 50 in the Channel Islands.

Barometer and Wind.—At the commencement of the period a large depression lay off Scotland N., while a deep secondary system passed with great rapidity over Ireland and England, causing very severe South-Westerly to Westerly gales over all the central and in parts of the southern and south-eastern counties. In the rear of this disturbance the wind shifted to the North-Westward, and no other depression of importance appeared until the 27th. On that date, however, a system, well-defined and deep, reached the south-west of Ireland, and, moving gradually north-eastwards and eastwards, caused strong gales from various directions on nearly all our coasts. By the end of the period, the depression was shown moving slowly south-eastwards off the north-east of England, and was, at the same time, filling up steadily

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 73 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	32	44·6	36·9	40·6	+ 1·5	7	19	7	0·53	− 0·03	*	*	*	*
	Stornoway	48	30	45·7	33·3	39·3	− 1·1	10	32	6	0·86	+0·09	34·0	+ 8·1	39	+ 9
	Wick	49	32	45·4	35·6	40·4	− 0·1	10	24	6	0·88	+0·48	*	*	*	*
	Glencarron S	51	25	44·2	32·2	38·0	− 1·8	6	34	7	2·68	+1·47	*	*	*	*
	Fort Augustus S	51	26	45·1	32·7	38·7	− 2·0	9	33	7	2·88	+2·33	20·0	?	23	?
	Fort William S	49	32	44·9	35·8	40·2	− 1·6	8	23	7	0·96	−0·16	20·8	?	24	?
1. SCOTLAND, E.	Nairn	52	29	46·1	35·1	40·4	− 0·5	11	26	6	1·42	+1·05	*	*	*	*
	Aberdeen	53	29	45·7	35·4	40·4	− 0·3	10	25	6	1·87	+1·37	15·7	−12·6	18	−15
	Braemar S	49	22	40·9	29·4	35·0	− 2·6	0	49	6	1·33	+0·79	15·0†	?†	17†	?†
	Ochtertyre S	52	28	46·4	33·7	39·9	− 0·9	12	31	7	1·30	+0·72	*	*	*	*
	Leith	52	33	46·1	36·9	41·4	− 1·0	11	20	7	0·91	+0·56	*	*	*	*
	Marchmont S	48	31	42·1	33·9	37·8	− 2·2	0	27	6	2·43	+1·96	5·8	?	7	?
2. ENGLAND, N.E.	Alnwick Castle	49	34	44·9	38·4	41·6	+ 1·3	8	14	7	1·39	+0·87	*	*	*	*
	Durham	53	28	46·9	34·2	40·4	− 0·5	14	30	7	1·01	+0·49	17·6	− 8·2	20	− 9
	Shields	55	33	47·9	28·0	42·8	+ 1·4	22	11	6	1·12	+0·69	*	*	*	*
	Scarborough M	57	35	51·6	37·9	44·6	+ 2·7	35	11	6	0·62	+0·14	*	*	*	*
	York	58	32	48·7	36·9	42·6	+ 0·2	26	14	6	0·73	+0·33	11·5	−13·5	13	−15
	Spurn Head	55	36	47·4	38·6	42·9	+ 1·4	21	10	7	0·55	+0·26	*	*	*	*
3. ENGLAND, E.	Hillington M	57	32	50·0	37·4	43·5	+ 0·9	30	13	7	1·11	+0·73	22·1	− 5·1	25	− 6
	Yarmouth	57	36	48·6	38·3	43·3	+ 2·2	25	10	6	0·81	+0·41	*	*	*	*
	Geldeston	59	34	51·6	38·0	44·6	+ 1·7	35	11	6	0·90	+0·58	27·7	− 4·8	32	− 5
	Cambridge	60	33	52·1	38·0	44·8	+ 2·0	36	11	6	0·81	+0·48	23·4	− 7·9	27	− 7
	Rothamsted	56	35	50·1	37·4	43·6	+ 1·5	31	13	7	0·92	+0·52	19·3	?	22	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	58	33	49·7	36·6	43·0	+ 0·5	30	15	6	0·54	+0·18	*	*	*	*
	Loughborough	58	34	50·0	38·0	43·8	+ 0·7	29	11	7	0·78	+0·38	*	*	*	*
	Stamford (Ketton Hall)	55	30	49·4	37·1	43·1	+ 0·3	28	14	7	0·57	+0·16	*	*	*	*
	Cheadle M	55	34	47·2	34·8	40·8	− 0·3	15	27	7	1·24	+0·76	*	*	*	*
	Solihull	52	34	47·1	37·7	42·3	− 0·2	20	12	7	0·85	?	*	*	*	*
	Churchstoke M	53	35	48·4	36·4	42·2	+ 0·9	25	16	7	1·09	+0·67	20·7	− 6·8	24	− 7
	Hereford M	54	36	50·3	38·9	44·4	+ 1·0	30	9	7	0·81	+0·41	*	*	*	*
	Cirencester	56	34	50·0	37·3	43·5	+ 1·9	30	13	7	1·35	+0·87	13·8	−14·0	16	−16
	Oxford	58	36	51·0	38·4	44·5	+ 1·2	33	10	6	0·95	+0·57	25·6	− 3·2	29	− 4
5. ENGLAND, S.	London	57	35	51·9	39·1	45·3	+ 1·3	35	8	7	0·74	+0·36	22·5†	− 6·7†	26†	− 6†
	North Foreland	54	35	50·1	38·0	43·9	+ 1·4	30	11	3	0·31	?	*	*	*	*
	Strathfield Turgiss M	56	34	52·6	38·4	45·3	+ 1·9	38	10	7	0·77	+0·41	*	*	*	*
	Dungeness	53	38	47·0	39·0	42·9	+ 0·2	19	8	6	0·78	+0·35	*	*	*	*
	Hastings (St. Leonards)	52	38	49·4	39·6	44·4	+ 0·1	27	7	5	0·92	+0·45	25·2	− 9·5	29	−11
	Southampton	55	35	51·4	40·5	45·8	+ 1·2	33	4	6	1·08	+0·63	31·3	− 1·9	36	− 2
	Hurst Castle	52	40	48·3	41·9	45·0	+ 1·4	21	0	5	0·78	+0·39	*	*	*	*
	Stowell M	55	34	49·1	38·1	43·4	+ 0·6	26	11	6	0·79	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	57	33	49·3	35·6	42·3	0·0	29	18	5	0·88	−0·47	*	*	*	*
	Glasgow	52	33	45·4	36·3	40·7	− 0·4	10	21	5	0·66	+0·12	12·3	− 9·2	14	−11
	Ardrossan	48	34	45·4	37·6	41·4	− 0·8	10	17	6	0·56	+0·04	*	*	*	*
	Glenlee S	52	31	46·0	34·8	40·2	0·0	11	27	7	1·14	+0·32	*	*	*	*
	Douglas (Isle of Man)	48	32	45·9	36·1	40·9	− 1·4	11	25	6	2·15	+1·53	19·8	−12·2	23	−13
7. ENGLAND, N.W.	Stonyhurst	51	35	45·1	36·2	40·5	− 1·2	9	21	7	1·93	+1·23	9·9	−15·1	11	−18
	Blackpool M	49	32	46·6	37·3	41·8	− 0·1	13	19	6	1·43	+0·93	11·2	−13·9	13	−16
	Manchester (Prestwich)	52	34	46·9	36·2	41·4	− 0·8	14	23	7	1·05	+0·53	9·3	?	11	?
	Liverpool Obsy. (Bidston)	54	36	47·1	39·6	43·2	0·0	18	7	7	0·90	+0·52	*	*	*	*
	Llandudno M	54	37	47·9	39·0	43·3	− 1·1	22	8	7	1·61	+1·17	12·3	−11·7	14	−13
	Holyhead	48	38	45·1	39·9	42·4	− 1·7	12	6	7	1·69	+1·21	*	*	*	*
8. ENGLAND, S.W.	Llandovery	52	34	48·6	37·1	42·7	− 0·6	25	14	7	1·84	+1·09	*	*	*	*
	Pembroke	48	37	46·0	40·3	43·1	− 0·6	15	5	6	0·89	+0·39	26·9	− 6·9	31	− 8
	Bristol (Montpelier)	55	38	50·1	41·0	45·4	+ 2·0	28	3	7	1·78	+1·28	*	*	*	*
	Arlington (N. Devon)	52	35	48·3	37·7	42·8	+ 0·4	24	12	7	1·80	+1·09	*	*	*	*
	Cullompton M	56	34	51·9	39·9	45·7	+ 2·1	35	6	5	1·59	+1·07	33·2	+ 2·8	38	+ 3
	Falmouth	56	37	50·6	42·0	46·2	+ 1·1	29	0	7	1·33	+0·58	46·0	+12·3	53	+14
	Plymouth	54	36	49·7	39·5	44·5	− 0·6	28	7	7	1·48	+0·90	37·4	+ 3·6	43	+ 5
	Prawle Point	51	36	48·4	39·4	43·8	+ 0·3	24	7	7	0·90	+0·42	*	*	*	*
9. IRELAND, N.	Malin Head	48	35	44·6	38·4	41·4	− 1·5	7	14	5	0·57	?	*	*	*	*
	Londonderry	54	31	48·0	36·2	41·9	− 1·7	17	23	6	1·13	+0·55	*	*	*	*
	Edenfel (Omagh)	50	34	46·0	36·3	41·0	− 1·0	11	22	7	1·49	+0·96	*	*	*	*
	Belmullet	49	37	47·0	39·6	43·2	− 2·6	18	7	7	1·61	?	*	*	*	*
	Markree Castle	54	35	48·3	35·8	41·9	− 0·9	18	25	7	1·71	+1·19	24·4	− 2·8	28	− 3
	Brookeborough	53	35	47·2	36·0	41·4	− 0·4	15	23	7	1·53	+0·91	*	*	*	*
	Armagh	54	32	47·1	35·7	41·2	− 0·6	14	24	7	1·83	+1·35	20·4	− 3·8	23	− 5
	Donaghadee	50	33	46·6	37·0	41·7	− 1·4	13	20	7	1·48	+1·03	*	*	*	*
	Edgeworthstown	54	34	47·3	35·6	41·3	− 0·4	15	25	6	1·41	+0·81	*	*	*	*
10. IRELAND, S.	Dublin	56	35	48·5	38·8	43·5	− 1·0	24	9	7	1·33	+0·85	23·4	− 7·1	27	− 8
	Parsonstown	51	36	48·7	38·7	43·6	+ 0·3	25	9	6	1·18	+0·66	28·8	− 1·4	33	− 1
	Kilkenny	52	36	48·9	39·0	43·8	0·0	25	8	6	0·90	+0·41	*	*	*	*
	Roche's Point	52	38	50·6	40·9	45·6	+ 0·4	30	3	6	1·37	+0·59	*	*	*	*
	Valencia	54	38	50·0	40·7	45·2	− 0·8	28	4	7	1·37	+0·50	33·2	− 1·0	38	− 1
	Killarney	56	37	51·8	40·0	45·7	+ 0·8	34	6	7	1·35	?	*	*	*	*
	Foynes	49	38	47·2	40·4	43·7	− 0·5	19	4	7	0·89	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	39	50·4	42·7	46·4	+ 0·2	31	0	7	1·22	+0·69	44·6	?	51	?
	Jersey	54	39	50·9	42·1	46·4	+ 0·1	31	0	7	1·04	+0·55	41·7	+ 3·4	48	+ 4

Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

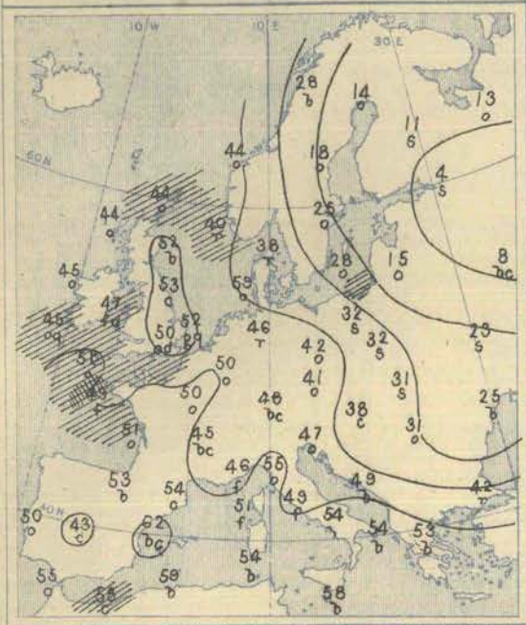
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 24th March.

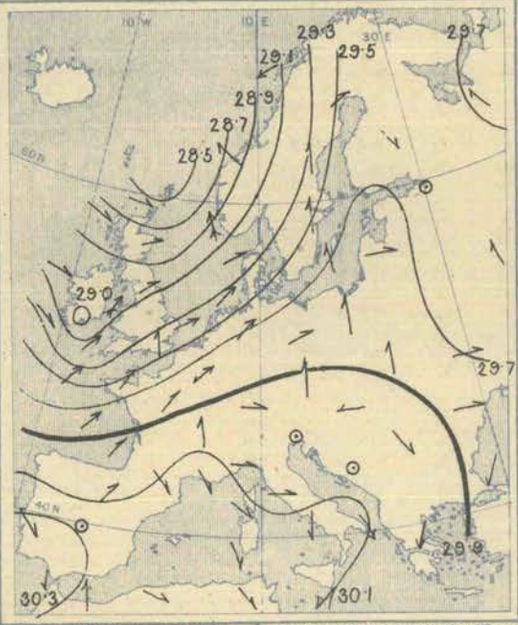
Temperature and Weather.

8 a.m.

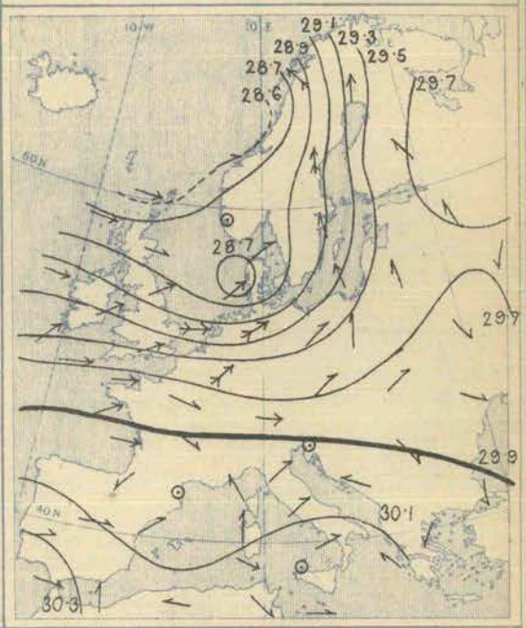


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the north and east of Scotland, but cloudy or dull in other parts of our Islands, with rain at several of our southern stations. Cloudy in most of the Continental countries, with rain in Denmark, north Germany, and the south of Norway, and with snow at Kuopio, St. Petersburg, Kiev, and Swinemünde. Fine in Greece and the south of Italy, but foggy in the extreme south of France. Showers of rain or hail falling during day in all parts of the United Kingdom, with thunderstorms over the northern parts of Ireland and England. Considerable quantities of rain falling at many of the Continental stations.

Temperature fallen in the extreme west of our Islands and also in Russia and Austria, but risen elsewhere. Morning readings highest, 62° at Barcelona, 61° at Sfax, 59° at Algiers, and 58° at Malta; slightly above 50° at many of the English stations. Lowest, 3° at Helsingfors, 4° at St. Petersburg, 7° at Hangö, and 8° at Moscow; below the freezing point over the whole of Sweden and Russia. Rising during day to 50° and upwards in many parts of our Islands, and reaching 60° at Cambridge. Exceeding 65° over Spain and the southern parts of France and Italy, and rising to 78° at Perpignan.

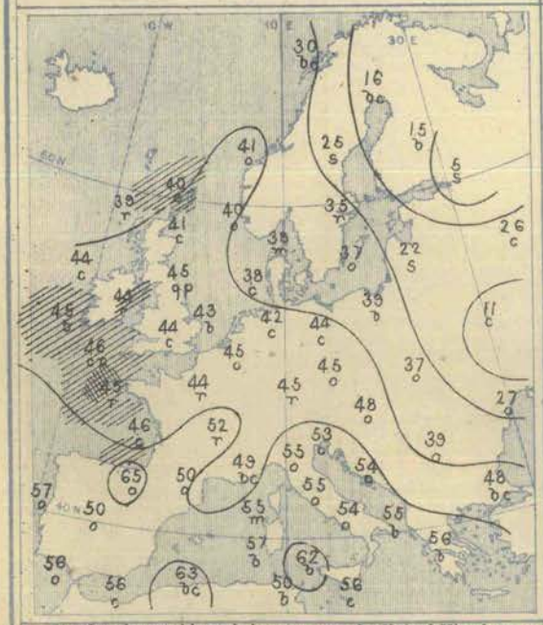
Wind moderate from the Westward in Ireland and Scotland; strong from the South-Westward over England and Denmark, and moderate from the same quarter over France and Germany; Southerly or South-Easterly in Scandinavia, with a gale at Skudesnaes. Light and variable over the whole of southern and eastern Europe. Subsequently increasing to a violent gale from between South-West and West over the inland parts of England and Wales, and later on in Denmark and north Germany. Gale subsiding quickly over England towards evening.

Barometer highest, 30·3 ins. and upwards over the southern parts of Spain; 30·1 ins. and upwards in an anticyclone covering the greater part of southern Europe and the Mediterranean. Lowest, 28·5 ins. and less in a depression lying to the northward of Scotland; 29·0 ins. and less in a well-marked secondary disturbance over the south of Ireland. Depression in north subsequently travelling north-eastwards; secondary system passing rapidly in an east-north-easterly direction across England and the North Sea, and reaching the Danish coast by the evening.

Monday, 25th March.

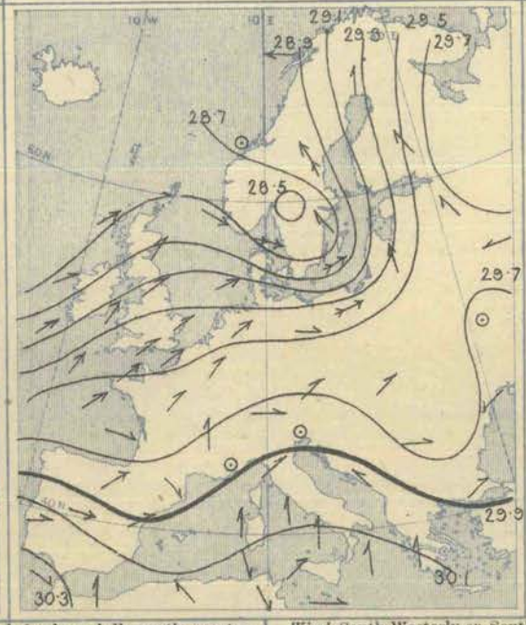
Temperature and Weather.

8 a.m.

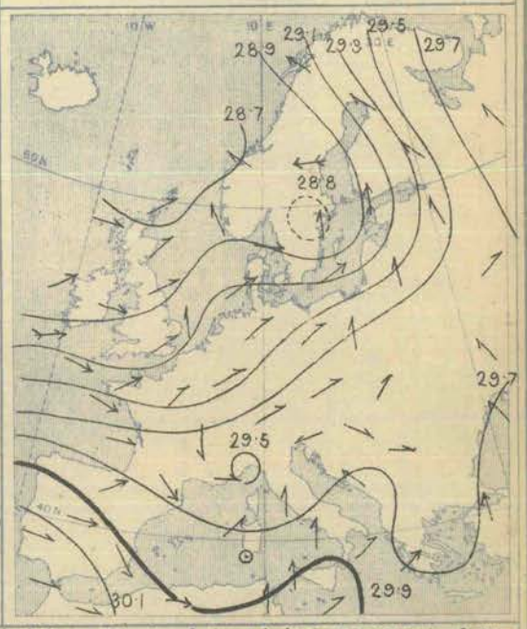


Barometer and Wind.

8 a.m.



6 p.m.



Weather changeable and showery over the United Kingdom, and cloudy or dull over the greater part of the Continent, with rain in the south of Scandinavia, as well as at many of the French and German stations. Show falling at Hernösand, Hangö, and St. Petersburg. Fine in the Riviera and also in Greece and the south of Italy. Rain falling during day in nearly all parts of western Europe and snow over the Gulf of Finland; solar halo seen at Oxford. Thunder and lightning occurring at night on our south-west coasts, and lightning reported at Lyons.

Temperature fallen in our Islands, France, and western Germany, but risen elsewhere. Morning readings highest, 65° at Biarritz, 63° at Algiers, 62° at Palermo, and 60° at Barcelona; above 55° at many of the Mediterranean and Spanish coast stations. Lowest, 5° at St. Petersburg, 11° at Kiev, 15° at Kuopio, and 16° at Haparanda and Kharkov; below the freezing point in most parts of Sweden and Russia. Rising during day to 50° and upwards at many of the English and Irish stations, and reaching 56° in London and at Cambridge; exceeding 65° in many parts of southern Europe, and reaching 70° at Perpignan and 75° at Palermo.

Wind South-Westerly or Southerly in our Islands, and strong in force on many parts of our western coasts. Westerly or South-Westerly over a considerable portion of the Continent, with gales at some of the Baltic stations. Strong to a gale from the South-Eastward over Sweden and Finland, and Easterly in the north-west of Norway. Variable or light from the North-Eastward over the southern parts of Russia. Subsequently veering to the Westward on our own south-west coasts, and increasing to a gale at Valencia (Ireland); wind falling light at most of the Baltic stations.

Barometer highest, 30·2 ins. and upwards over Morocco and the extreme south of Spain; 30·0 ins. and upwards over the greater part of the Mediterranean. Lowest, 28·5 ins. and less in a well-marked depression having its centre near Carlstadt (gradients steep on its eastern and southern sides); 28·7 ins. and less in another disturbance approaching the west of Scotland. Latter system subsequently travelling away to the northward of our Islands, but ill-defined secondary disturbances passing eastwards across Ireland and England. Depression near Carlstadt moving slowly north-eastwards.

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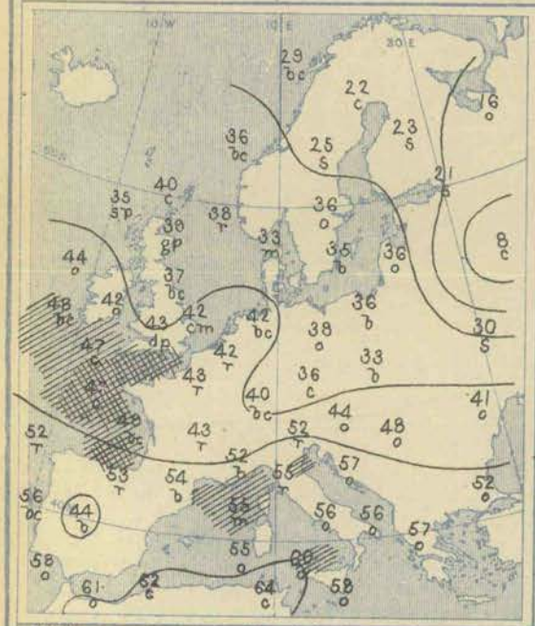
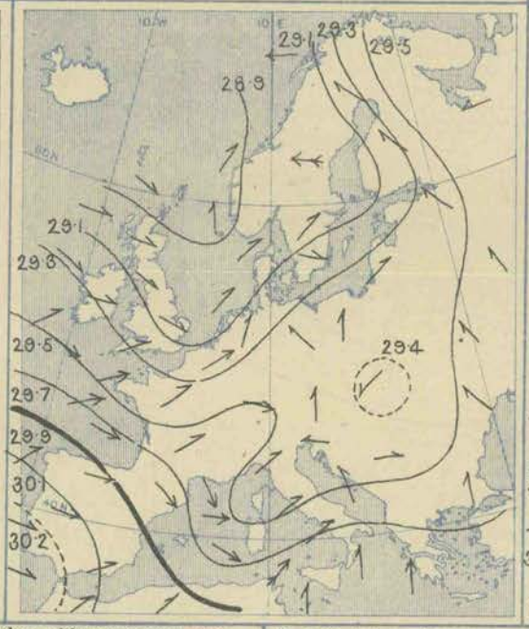
Tuesday, 26th March.

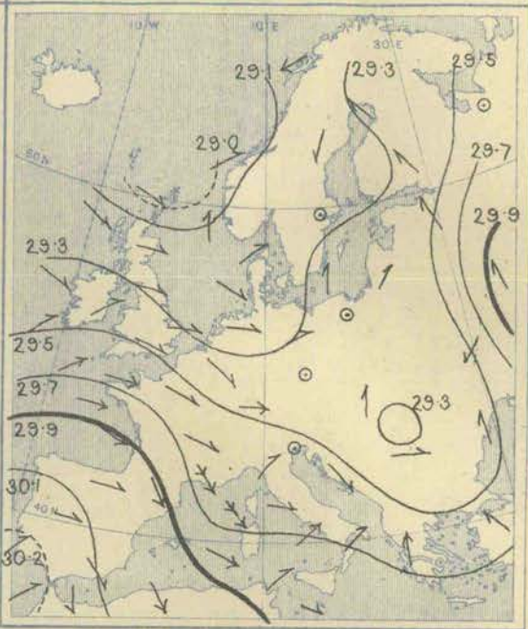
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning changeable and showery over the United Kingdom, with snow at Stornoway. Fine in the west of Norway, as well as over the Baltic, northern Italy, and the extreme south of France; dull in most other parts of the Continent, with rain over Belgium, western Germany, and the central parts of France, and with snow over Finland and central Sweden, as well as at Kiev. Improvement taking place over our Islands during day, but heavy rain setting in at many of our southern and south-western stations at night.

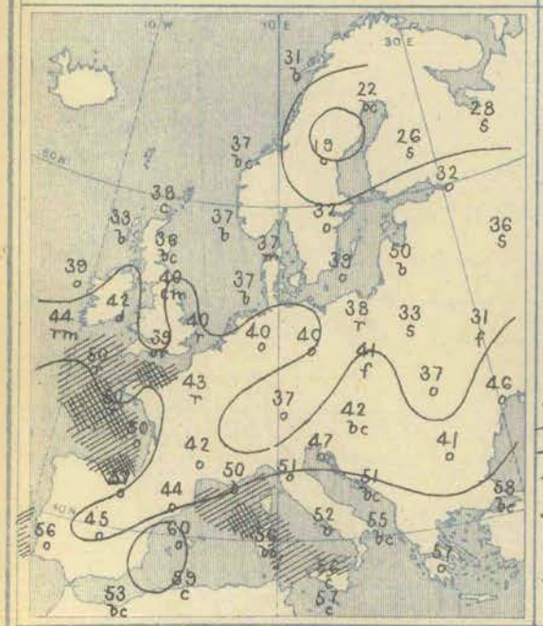
Temperature fallen in the north and east of our Islands, as well as over many parts of central and southern Europe, but risen quickly at most of the Russian stations. Morning readings highest, 64° at Sfax, 62° at Algiers, 61° at Nemours, and 60° at Brindisi; above 55° at most of the Mediterranean and Adriatic stations. Lowest, 8° at Moscow, 16° at Archangel, 22° at Haparanda, and 23° at Kuopio; below the freezing point over nearly the whole of Russia and the north of Scandinavia. Rising during day to between 50° and 55° in many parts of Ireland and England; exceeding 60° over southern Europe, and reaching 70° at Palermo and Malta. Frost occurring at night over the central parts of Great Britain.

Wind Westerly or North-Westerly over our Islands, the west and south of France, and the greater part of Spain; strong in force on many parts of our west and south-west coasts, with a gale at Prawle Point. South-Westerly over the Netherlands and central France; Southerly in Germany, Denmark, and the west of Norway; South-Easterly in Russia, Easterly over the northern parts of Scandinavia, with a gale at Hernösand. Varying between South and West in Italy and blowing a gale at Palermo. Subsequently backing to the South-Westward on many parts of our western coasts; falling light and variable in Sweden.

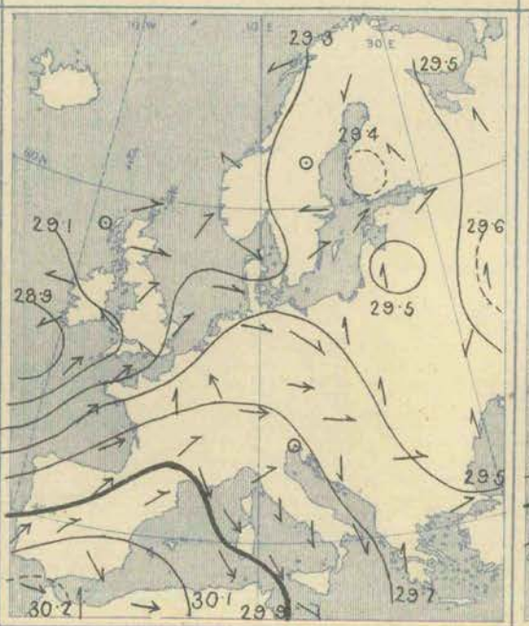
Barometer highest, 30·2 ins. and upwards in an anticyclone extending from the Atlantic over the western parts of the Spanish Peninsula; 29·7 ins. and upwards in the south of Russia. Lowest, 28·9 ins. and less in a large shallow depression lying to the northward of our Islands; small secondary disturbances passing north-eastwards across the North Sea. General rise taking place over western Europe during day, but barometer falling again on our extreme south-west coasts in evening.

Wednesday, 27th March.

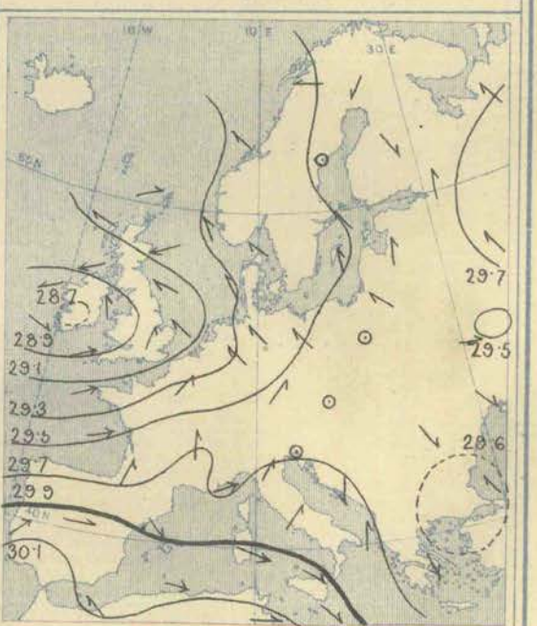
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning dull and rainy in all the more southern parts of the United Kingdom, as well as over the northern and central parts of France; fair or fine in the north of our Islands and also in the west of Norway. Fine also in Italy, but dull over the Continent generally, with rain at some of the Baltic stations, and with snow at Archangel, Kuopio, and Moscow. Rain extending later to all but the extreme northern parts of our Islands, amounts large at some of our western and northern stations, as well as in the Netherlands and the northern parts of France. Aurora seen at Wick.

Temperature changed very irregularly. Morning readings highest, 62° at Bilbao, 60° at Barcelona and Oran, 59° at Algiers and 58° at Constantinople; above 50° over southern Europe generally. Lowest, 19° at Hernösand, 22° at Haparanda, 25° at Uleaborg, and 26° at Kuopio; below the freezing point in many parts of northern Europe and very little above it in the Hebrides. Daily maxima below 45° at several of our own northern and north-western stations, but thermometer exceeding 50° in most of the southern districts; rising to 60° and upwards in many parts of southern Europe, and reaching 66° at Nice, Cagliari, and Palermo.

Wind strong from the South-Westward over the English Channel, the Bay of Biscay, and the western parts of the Spanish Peninsula, moderate from the Southward over the Netherlands and the eastern parts of England and France; fresh from the South-Eastward in Ireland and Wales. Calm or light from the Westward in Scotland; South-Easterly or Easterly in the west of Norway. Variable in Russia, Westerly in Austria and eastern Germany; North-Westerly or Northerly over Italy and the Mediterranean, and strong to a gale over Corsica and Sardinia. Subsequently freshening from the Eastward on some parts of our northern coasts; veering to the Westward in the south of Ireland.

Barometer highest, 30·2 ins. and upwards in the extreme south of Spain, 30·0 ins. and upwards over the greater part of Spain and Algeria; 29·6 ins. and upwards over central Russia. Lowest, 28·9 ins. and less in a well-marked depression lying off the south-west of Ireland; shallow secondary systems lying over various parts of Scandinavia and the North Sea. Depression in south-west subsequently advancing north-eastwards over the south of Ireland; barometer falling steadily over our Islands and becoming very low in west.

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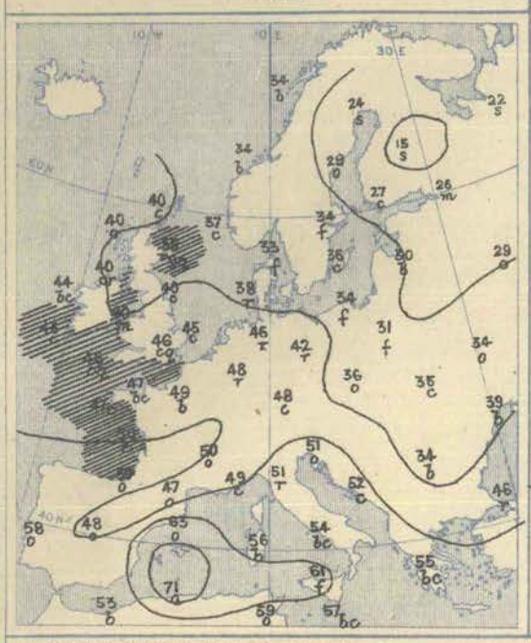
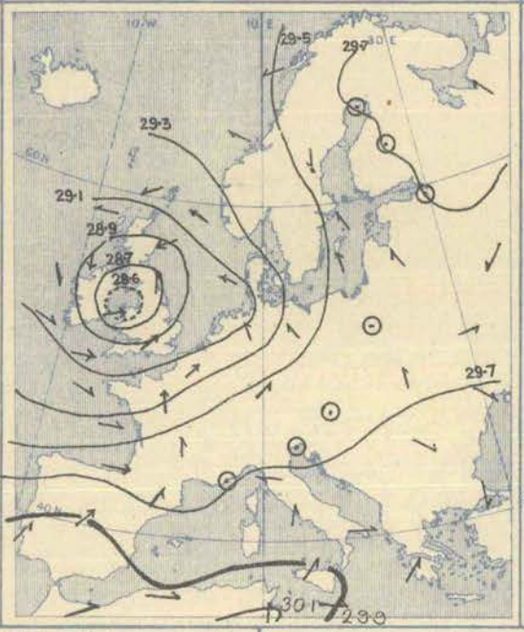
Thursday, 28th March.

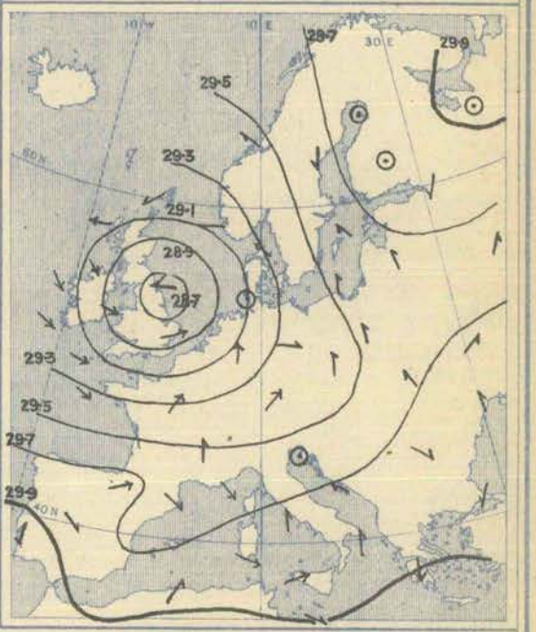
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over the northern parts of our Islands and showery at most of the southern stations. Fine in the west of Norway, as well as in the north of France, Greece, and the south of Italy, cloudy in most other parts of the Continent, with rain at several of the Danish and German stations, and with snow in the northern parts of Sweden and Russia. Heavy rain falling during day in the east of Scotland, and smaller quantities over western Europe generally, with hail or sleet in many parts of the United Kingdom.

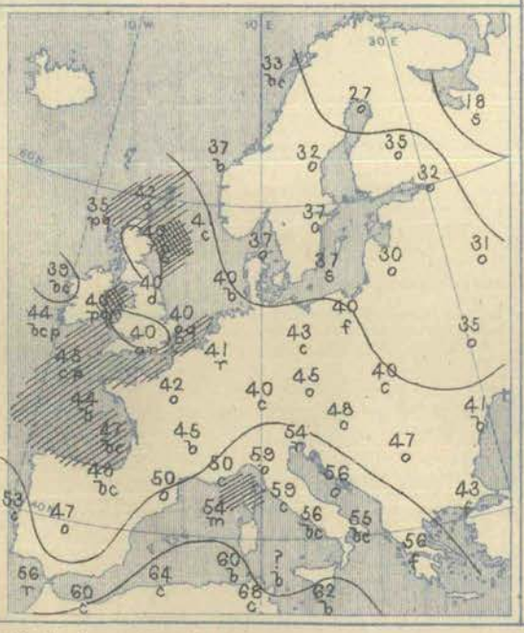
Temperature changed very irregularly. Morning readings highest, 71° at Algiers, 65° at Barcelona, and 61° at Palermo and Aumale; above 55° at several of the Mediterranean and Spanish coast stations. Lowest, 15° at Kuopio, 22° at Archangel, 24° at Haparanda, and 26° at Helsingfors; below the freezing point in most parts of Sweden and Russia, and below 40° over the northern parts of the United Kingdom. Daily maxima below 45° at several of our own western and northern stations, but thermometer rising to between 47° and 50° in the southern districts. Exceeding 65° in most parts of southern Europe, and exceeding 70° in the south of Italy.

Wind Westerly over the Bay of Biscay; Southerly or South-Westerly over England, the Netherlands, and central France; South-Easterly on the eastern shores of the North Sea; Easterly or North-Easterly in Scotland; Northerly or North-Westerly in Ireland. Strong in force over western Europe generally, with gales on many parts of the British coasts. Light and variable in Russia and Austria, as well as in the south of France, but varying between South and West in Italy. No important change occurring during day.

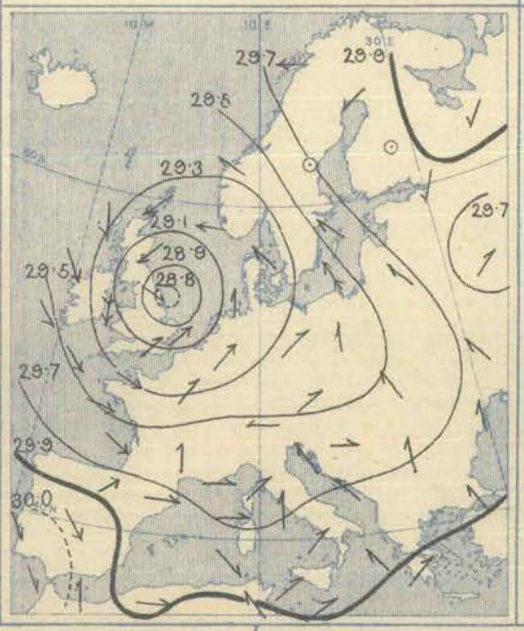
Barometer highest, 30·0 ins. and upwards in the extreme south of Spain and also at some of the Algerian stations; 29·7 ins. and less over northern Russia. Lowest, 28·6 ins. and less in a depression lying over the Irish Sea; gradients rather steep over the whole of our Islands and their immediate neighbourhood. Depression subsequently moving slowly in an east-north-easterly direction across the extreme north of England, barometer rising at all but our eastern stations

Friday, 29th March.

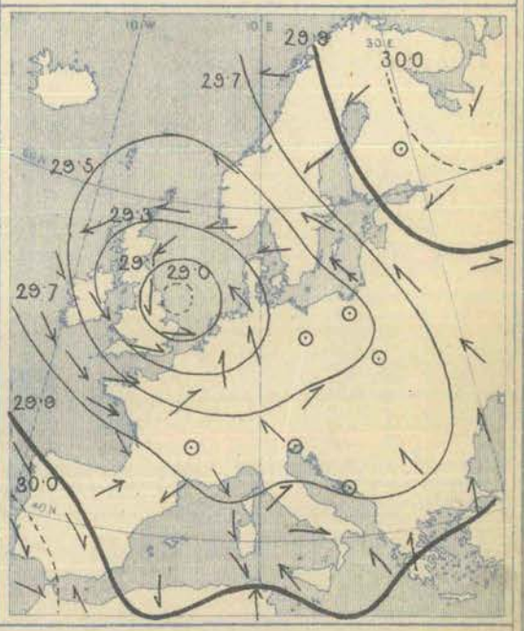
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over central England and showery in nearly all other parts of the United Kingdom, as well as in Belgium and the north of France. Fine in the west of Norway and also in the west of France and the south of Italy, but cloudy over the Continent generally, with rain at some of the central stations, and with snow in the south of Scandinavia and at Archangel. Showers of rain or hail falling during day in all parts of western Europe, and thunderstorms occurring at some of the French stations. Solar halo seen at Jersey.

Temperature changed very irregularly. Morning readings highest, 68° at Sfax, 64° at Algiers, 63° at Aumale, and 62° at Malta; above 55° at most of the Mediterranean and Adriatic stations. Lowest, 18° at Archangel, 26° at Helsingfors, 27° at Haparanda, and 30° at Hangö and Riga; below 40° over northern and eastern Europe generally, as well as over the central parts of Great Britain. Daily maxima below 50° over the United Kingdom generally, and below 45° at several of our northern and north-western stations. Thermometer exceeding 60° in many parts of southern Europe, and reaching 75° at Malta.

Wind Easterly in Scandinavia, North-Easterly in the north of Scotland, Northerly on our north-west coasts; North-Westerly or Westerly over the south-west of Spain and the Bay of Biscay; Westerly or South-Westerly over the greater part of England, Southerly or South-Westerly over the Netherlands, Germany, and central France. Strong in force on most parts of our own and the French coasts, with a gale at Holyhead. Light to moderate from the Southward over Italy, Austria, and the south of Russia. No important change occurring during day, but wind on our coasts tending to subside gradually.

Barometer highest, 30·0 ins. and upwards in an anticyclone spreading from the Atlantic over the south-western parts of the Spanish Peninsula; 29·9 ins. and upwards in the north of Russia. Lowest, 28·8 ins. and less in a well-marked and rather deep depression lying off the north-east of England. Depression moving very slowly eastwards during day and partially filling up; barometer rising over western Europe generally.

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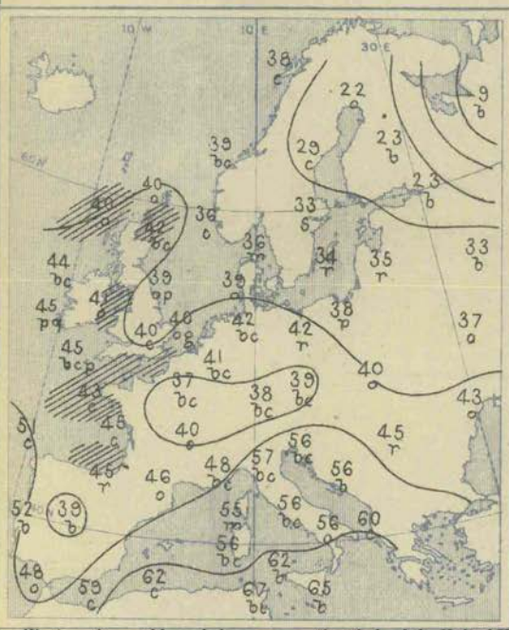
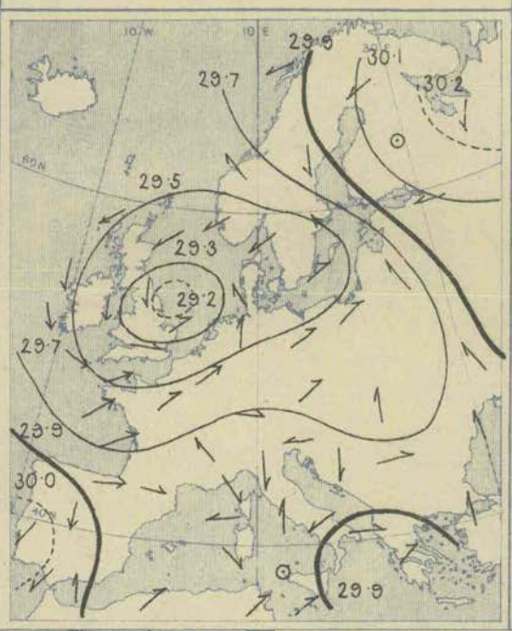
Saturday, 30th March.

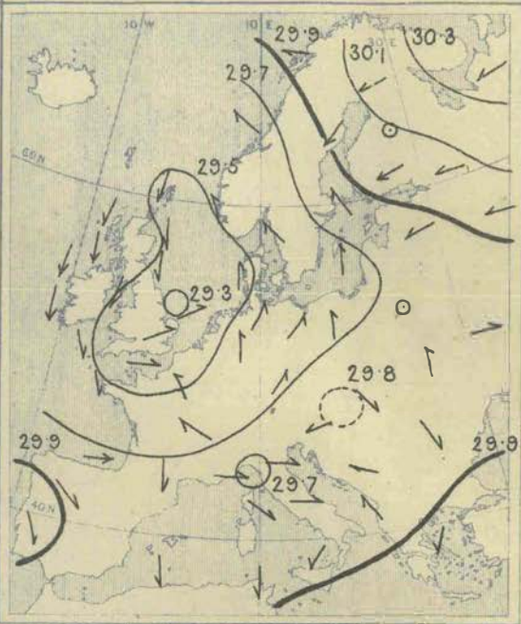
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather changeable and showery over the whole of the United Kingdom. Fine over the southern and extreme northern parts of the Continent, but dull and unsettled in the more central regions, with rain or snow in the south of Scandinavia, and with rain at some of the French and German stations. Showers falling during day in nearly all parts of western Europe, and considerable amounts of rain at some of our own extreme northern and north-western stations. Thunderstorms occurring at Paris and Lyons in the afternoon.

Temperature risen slightly in our Islands, but fallen at most of the Continental stations. Morning readings highest, 67° at Sfax, 65° at Malta, and 62° at Palermo and Algiers; above 55° over the Mediterranean and Adriatic generally. Lowest, - 9° Fahr. at Archangel, + 22° at Haparanda, and 23° at Kuopio and St. Petersburg; below the freezing point in many parts of northern Europe. Daily maxima below 50° over the United Kingdom generally, and below 45° on some parts of our north and north-west coasts. Thermometer exceeding 60° in many parts of southern Europe, and reaching 73° at Palermo and 65° at Pesaro.

Wind North-Easterly or Northerly over the northern parts of our Islands, and strong in force in the Irish Sea; moderate to fresh from the North-Westward on our south-west coasts, and from the Westward or South-Westward over the greater part of England, France, Germany, and the Netherlands; light from the Eastward or South-Eastward over Norway and Denmark. Northerly in Spain; variable in Italy; South-Easterly in the south of Russia. No important change occurring over western Europe during day, but Easterly gale springing up over the Gulf of Finland.

Barometer highest, 30·2 ins. and upwards over the extreme north of Russia; 30·0 ins. and upwards over the south-western parts of the Spanish Peninsula. Lowest, 29·2 ins. and less in a well-marked but rather shallow depression lying off the north-east of England. Depression subsequently moving slowly southwards down our east coasts and partially filling up; barometer rising over western Europe generally, but beginning to fall again in the north of Scotland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Throughout the greater part of the week barometrical pressure was highest over southern Europe and the Mediterranean, but relatively high also over the northern and central parts of Russia. Over western and central Europe the weather was influenced, in the first place, by a depression which skirted the north of Scotland, and still more seriously by a deep secondary disturbance which passed with unusual rapidity across Ireland, England, and the North Sea. The progress of the latter system was accompanied by very severe gales from the South-Westward and Westward over the central and eastern parts of England, as well as in some parts of Holland and Germany, with thunderstorms over our northern counties. On reaching Denmark the depression slackened its pace, and, on the night of the 25th, it filled up over the southern part of the Gulf of Bothnia.

During the remainder of the week the weather was affected by a depression which appeared off the south-west of Ireland on the 27th, and which afterwards advanced first to the Irish Sea and afterwards across the north of England to our north-east coasts. The disturbance then remained almost stationary for some little time, but, at the close of the week, it was moving southwards and steadily dispersing. On the 28th, when the centre passed over our northern counties, the system was of considerable depth and occasioned gales from various directions on nearly all our coasts, with heavy rain in the east of Scotland. Later on, the wind gradually subsided, but the weather over western Europe remained exceedingly showery and unsettled.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 74.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	7·0	?	8	?	EASTBOURNE	32·6	?	37	?
OSWALDKIRK (Yorkshire)	13·5	?	15	?	MANCHESTER (Oldham Road)	7·2*	?	8*	?
WORKSOP	14·0	-10·8	16	-12	TENBY				
THURCASTON (Leicestershire)	14·0	- 8·7	16	- 9	NEWQUAY	42·5	?	49	?
MARGATE	28·2	?	32	?	TORQUAY	41·8*	?	48*	?
WESTBOURNE (Sussex)	32·5*	?	37*	?	ARLEY COTTAGE (County Cavan)	20·3	?	23	?
BRIGHTON	32·2	?	37	?	GUERNSEY	43·7*	?	50*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 14.] *Third Series.* WEEK ENDING SATURDAY, APRIL 6TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 80.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	22	43·9	32·7	38·1	3 below	5	− 9	32	+ 5	48	− 56	769*	+309
	1. SCOTLAND, EAST	58	25	46·4	33·5	39·7	2 below	12	−10	31	+ 4	57	−104	935	+437
	2. ENGLAND, N.E.	55	28	46·7	31·3	40·2	2 below	13	− 8	28	+ 3	95	− 65	754	+302
	3. ENGLAND, EAST	54	26	46·7	34·3	40·2	3 below	13	−16	28	+ 1	122	− 70	823	+314
	4. MIDLAND COUNTIES	54	23	47·6	33·6	40·2	3 below	16	−14	31	+ 3	120	− 96	900	+402
	5. ENGLAND, SOUTH	52	26	47·4	36·2	41·6	3 below	15	−15	23	+ 3	118	−113	744	+356
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	57	24	47·5	34·9	40·9	2 below	15	− 6	27	+ 7	73	− 87	752	+385
	7. ENGLAND, N.W.	50	28	45·9	35·5	40·5	4 below	11	−11	24	+ 3	71	− 88	709	+330
	8. ENGLAND, S.W.	53	27	48·1	36·7	42·1	3 below	23	− 3	15	0	130	−121	646	+355
	9. IRELAND, NORTH	55	24	48·5	35·9	41·9	2 below	18	− 9	24	+ 8	111	−122	622	+297
	10. IRELAND, SOUTH	54	30	49·2	36·9	42·8	3 below	27	− 4	14	0	157	−159	475	+220
	—CHANNEL ISLANDS	53	33	48·9	39·5	43·9	3 below	24	− 7	7	+ 3	181	−148	360	+251

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 80.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	13	6 more	65	− 4	11·2	− 4·2	17	−10	18	−11	223	+ 28	26	+ 3
	1. SCOTLAND EAST	5	4	1 less	53	0	6·9	− 1·2	19	− 4	21	− 5	211	− 20	26	− 2
	2. ENGLAND, N.E.	3	2	2 less	61	+12	7·7	+ 1·7	27	0	29	0	258	+ 31	26	+ 3
	3. ENGLAND, EAST	4	4	0 (average)	56	+ 8	6·0	+ 0·1	17	−13	20	−14	268	+ 10	28	+ 1
	4. MIDLAND COUNTIES	4	3	2 less	46	− 1	5·7	− 1·2	17	−11	18	−13	248	+ 14	25	+ 1
	5. ENGLAND, SOUTH	2	3	2 less	43	− 3	5·1	− 2·0	18	−19	20	−19	295	+ 11	27	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	7	1 less	54	− 4	7·5	− 7·4	24	− 6	26	− 7	246	+ 17	25	+ 3
	7. ENGLAND, N.W.	4	5	0 (average)	52	− 1	7·3	− 1·2	17	− 6	19	− 6	193	+ 13	24	+ 1
	8. ENGLAND, S.W.	2	3	3 less	48	− 6	8·5	− 2·4	32	− 3	35	− 4	345	+ 51	34	+ 5
	9. IRELAND, NORTH	5	4	1 less	61	− 1	8·2	− 1·1	24	− 2	26	− 4	247	+ 18	26	+ 2
	10. IRELAND, SOUTH	4	3	4 less	52	− 4	9·8	− 1·3	19	−15	21	−16	279	− 5	28	− 1
	—CHANNEL ISLANDS	2	3	2 less	57	− 2	7·7	− 1·5	31	− 7	35	− 7	379	+ 62	41	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued somewhat changeable and unsettled, but was finer in the north-east, south, and south-west than elsewhere. Falls of rain, hail, or sleet were frequent in the north and north-west, and of rain in most other parts of the Kingdom, but the amounts were generally slight.

Temperature was below the mean, the deficit ranging from 2° in some of the western and northern districts to 3° over the greater part of England, and to 4° in England N.W. The highest of the maxima were recorded on rather irregular dates, and ranged from 58° in Scotland E. and 57° in Scotland W. to 52° in England S. and Scotland N. and to 50° in England N.W. The lowest of the minima were registered either on April 1st or 5th over England and about the middle of the period at most of the Irish and Scotch stations; they ranged from 22° to 25° in Scotland, from 24° to 30° in Ireland, and from 23° to 28° over England; in the Channel Islands the lowest reading was 33°.

Rainfall exceeded the mean in Scotland N. and just equalled it in England E. and N.W., but was rather less than the normal elsewhere.

Bright Sunshine showed a deficit in all districts excepting England N.E. The percentage of the possible duration ranged from 35 in England S.W. and the Channel Islands, and 29 in England N.E., to 19 in England N.W., and to 18 in the Midland Counties and Scotland N.

Barometer and Wind.—At the commencement of the period the barometer was highest in the north, while a shallow area of low pressure existed over France and the south of our Islands. By April 2nd the low pressure had receded further southwards, and a ridge of high-pressure extended from the Atlantic over the northern parts of our Islands and the North Sea. During the next day or two this ridge moved southwards, while some large depressions passed over Scandinavia. By the end of the period the barometer had become highest in the extreme south, and a well-defined and deep depression had advanced to the north of Scotland from the Atlantic. Easterly to North-Easterly winds were prevalent during the earlier days of the week, but, later on a North-Westerly and Northerly current set in, and occasionally blew strongly in the north Towards the end of the week the wind backed to the Westward or South-Westward, and, on Saturday, blew strongly, or with the force of a gale, on most parts of our coasts.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 79 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	22	40·7	31·6	35·9	− 3·9	0	43	7	0·74	+0·22	*	*	*	*
	Stornoway	48	30	44·4	33·4	38·6	− 2·7	7	30	5	1·32	+0·62	20·0	− 9·9	22	−11
	Wick	48	28	44·0	34·4	39·0	− 2·3	6	27	6	1·14	+0·76	*	*	*	*
	Glencarron Ⓢ	48	27	43·1	30·5	36·5	− 4·5	3	39	7	2·24	+1·06	*	*	*	*
	Fort Augustus Ⓜ Ⓢ	52	29	45·2	32·9	38·8	− 2·9	9	32	4	0·87	+0·38	12·4	?	13	?
	Fort William Ⓢ	49	31	46·0	33·6	39·5	− 3·5	11	30	5	1·29	+0·32	17·2	?	19	?
1. SCOTLAND, E.	Nairn	53	29	45·6	33·6	39·3	− 2·8	10	30	6	0·43	+0·10	*	*	*	*
	Aberdeen	55	29	46·3	36·1	41·0	− 0·6	12	22	6	0·46	−0·05	25·9	− 4·3	28	− 5
	Braemar Ⓢ	48	25	41·6	29·7	35·4	− 3·2	0	46	6	0·61	+0·07	13·0†	?†	14†	?†
	Ochtertyre Ⓢ	58	28	50·3	33·0	41·2	− 0·7	23	34	5	0·26	−0·31	*	*	*	*
	Leith Ⓢ	55	31	49·1	35·9	42·2	− 1·1	27	17	4	0·21	−0·16	*	*	*	*
	Marchmont Ⓢ	54	26	45·7	32·6	38·8	− 2·2	10	33	2	0·23	−0·34	22·8	?	25	?
2. ENGLAND, N.E.	Alnwick Castle	53	30	45·9	35·3	40·4	− 0·6	11	25	5	0·31	−0·21	*	*	*	*
	Durham	55	28	46·8	32·5	39·3	− 2·8	13	34	3	0·12	−0·41	26·2	+ 0·1	29	+ 1
	Shields	54	29	46·4	23·0	39·4	− 2·7	12	32	2	0·13	−0·31	*	*	*	*
	Scarborough Ⓜ	52	30	48·8	35·6	42·0	− 0·8	19	18	3	0·15	−0·33	*	*	*	*
	York	53	30	47·9	33·4	40·3	− 3·2	17	32	3	0·20	−0·29	27·5	+ 0·5	30	+ 1
	Spurn Head	48	34	44·3	35·9	39·9	− 2·6	6	22	4	0·35	+0·03	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	51	26	46·2	34·1	39·9	− 3·9	12	29	5	0·54	+0·15	20·6	− 8·7	23	− 9
	Yarmouth	49	30	44·0	34·7	39·1	− 3·2	6	25	5	0·49	+0·09	*	*	*	*
	Geldeston	50	28	46·6	33·4	39·6	− 4·2	13	31	5	0·42	+0·09	18·6	−16·1	21	−17
	Cambridge	54	31	49·4	34·7	41·7	− 2·4	21	28	3	0·17	−0·20	16·9	−16·1	19	−16
	Rothamsted	49	29	47·1	34·4	40·5	− 2·7	14	28	3	0·29	−0·22	13·3	?	15	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	52	29	47·6	33·7	40·3	− 3·3	16	31	4	0·41	+0·06	*	*	*	*
	Loughborough	52	30	48·0	34·1	40·7	− 3·7	17	29	5	0·46	+0·06	*	*	*	*
	Stamford (Ketton Ha	52	28	48·1	34·3	40·9	− 3·9	17	29	5	0·37	−0·08	*	*	*	*
	Cheadle Ⓜ	50	23	45·7	31·7	38·4	− 3·8	10	37	4	0·31	−0·17	*	*	*	*
	Solihull	49	28	46·9	33·2	39·7	− 3·9	14	32	4	0·25	?	*	*	*	*
	Churchstoke Ⓜ	51	26	46·5	31·9	38·9	− 3·4	13	36	5	0·18	−0·24	13·7	−15·7	15	−16
	Hereford Ⓜ	54	29	49·6	34·3	41·6	− 2·7	21	30	5	0·24	−0·16	*	*	*	*
	Cirencester	51	30	47·7	34·1	40·6	− 2·1	16	30	2	0·06	−0·42	22·7	− 7·0	25	− 8
	Oxford	51	29	48·0	34·7	41·0	− 3·5	17	27	3	0·06	−0·34	14·8	−15·7	19	−15
5. ENGLAND, S.	London	52	30	48·1	35·9	41·7	− 3·7	17	24	2	0·04	−0·36	11·3†	−14·4†	13†	−15†
	North Foreland	48	33	45·1	35·3	40·0	− 3·5	9	24	2	0·10	?	*	*	*	*
	Strathfield Turgiss Ⓜ	51	26	48·7	34·8	41·4	− 3·2	19	27	2	0·12	−0·28	*	*	*	*
	Dungeness	48	31	46·0	36·9	41·2	− 2·6	11	19	2	0·26	−0·16	*	*	*	*
	Hastings (St. Leonards)	50	31	48·8	36·1	42·2	− 3·2	26	17	2	0·58	+0·11	22·4	−14·0	27	−13
	Southampton	51	30	49·0	37·4	42·9	− 2·7	26	13	2	0·25	−0·22	9·0	−26·5	10	−29
	Hurst Castle	49	32	47·4	37·7	42·3	− 2·4	20	12	1	0·16	−0·23	*	*	*	*
	Stowell Ⓜ	49	30	46·3	35·6	40·8	− 3·1	12	24	4	0·62	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	57	30	50·0	33·2	41·2	− 2·2	22	34	5	1·12	−0·04	*	*	*	*
	Glasgow	51	32	47·0	36·4	41·5	− 1·0	14	22	5	0·34	−0·21	18·6	− 6·2	20	− 7
	Ardrossan	49	33	47·1	36·7	41·7	− 1·7	14	21	7	0·36	−0·16	*	*	*	*
	Glenlee Ⓢ	52	24	46·5	31·6	38·7	− 2·7	13	37	7	0·85	+0·07	*	*	*	*
	Douglas (Isle of Man)	50	34	46·8	36·5	41·4	− 2·0	13	21	5	0·60	0·00	28·6	− 7·2	31	− 8
7. ENGLAND, N.W.	Stonyhurst	47	30	44·9	34·1	39·2	− 3·7	8	28	5	0·87	+0·24	26·5	− 0·8	29	− 1
	Blackpool Ⓜ	50	30	46·8	34·3	40·4	− 2·9	13	29	4	0·30	−0·17	21·5	− 6·8	24	− 7
	Manchester (Prestwich)	49	28	45·9	34·2	39·8	− 3·5	11	28	5	0·59	+0·09	11·2	?	12	?
	Liverpool Obsy. (Bidston)	50	33	46·1	36·0	40·8	− 3·7	11	22	4	0·59	+0·21	*	*	*	*
	Llandudno Ⓜ	49	32	46·0	36·9	41·2	− 4·0	11	19	3	0·30	−0·12	16·3	−10·4	18	−11
	Holyhead	49	35	45·9	37·7	41·6	− 3·2	11	16	3	0·22	−0·26	*	*	*	*
8. ENGLAND, S.W.	Llandovery	53	27	50·0	33·9	41·6	− 2·1	22	32	3	0·22	−0·48	*	*	*	*
	Pembroke	47	32	45·6	36·9	41·0	− 3·6	10	19	1	0·05	−0·43	38·4	+ 1·2	43	+ 2
	Bristol (Montpelier)	52	31	48·9	37·0	42·7	− 1·8	26	14	3	0·20	−0·30	*	*	*	*
	Arlington (N. Devon)	49	32	46·9	34·9	40·6	− 2·7	14	26	3	0·33	−0·35	*	*	*	*
	Cullompton Ⓜ	53	31	49·1	36·5	42·5	− 2·0	27	15	3	0·47	−0·07	11·8	−29·2	13	−22
	Falmouth	50	36	47·7	38·2	42·7	− 3·1	21	11	1	0·34	−0·38	45·7	+ 9·5	51	+11
	Plymouth	53	33	48·1	38·5	43·1	− 3·2	22	10	2	0·42	−0·16	30·4	− 5·6	34	− 5
	Prawle Point	53	35	48·3	37·7	42·8	− 1·3	24	12	2	0·52	+0·03	*	*	*	*
9. IRELAND, N.	Malin Head	48	35	45·9	39·1	42·3	− 1·6	14	8	5	0·33	?	*	*	*	*
	Londonderry	55	33	50·1	35·5	42·5	− 2·3	31	18	5	0·54	0·00	*	*	*	*
	Edenfel (Omagh)	51	33	48·1	35·4	41·5	− 1·5	17	26	5	0·45	−0·07	*	*	*	*
	Belmullet	50	35	48·4	39·7	43·8	− 2·8	22	6	6	0·74	?	*	*	*	*
	Markree Castle	54	31	49·8	36·3	42·7	− 1·9	29	16	6	0·43	−0·11	31·0	+ 1·0	34	+ 1
	Brookeborough	51	30	48·3	34·6	41·1	− 1·6	18	28	6	0·46	−0·14	*	*	*	*
	Armagh	51	29	48·4	33·9	40·8	− 1·9	18	30	5	0·31	−0·17	19·9	− 6·9	22	− 8
	Donaghadee	53	30	48·4	35·7	41·8	− 2·0	18	25	4	0·26	−0·18	*	*	*	*
	Edgeworthstown	52	24	48·7	32·9	40·4	− 2·3	19	34	4	0·35	−0·23	*	*	*	*
10. IRELAND, S.	Dublin	53	33	48·6	37·4	42·7	− 2·4	24	13	4	0·27	−0·21	20·4	−12·9	22	−14
	Parsonstown	51	30	48·3	34·9	41·3	− 3·0	18	27	2	0·21	−0·29	7·5	−25·5	8	−28
	Kilkenny	51	30	48·7	35·1	41·6	− 3·1	19	27	2	0·06	−0·44	*	*	*	*
	Roche's Point	52	35	49·9	38·4	43·9	− 2·2	28	10	3	0·12	−0·65	*	*	*	*
	Valencia	54	36	50·0	38·6	44·0	− 2·6	28	10	5	0·42	−0·43	29·8	− 6·7	33	− 7
	Killarney	54	30	50·2	34·9	42·2	− 3·7	31	20	7	0·51	?	*	*	*	*
	Foynes	50	35	48·8	38·8	43·6	− 1·5	25	9	2	0·20	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	51	39	48·0	40·6	44·1	− 2·7	21	4	3	0·29	−0·2	35·7	?	40	?
	Jersey	53	33	49·7	38·3	43·7	− 3·2	27	10	1	0·35	−0·13	33·9	− 6·9	38	− 7

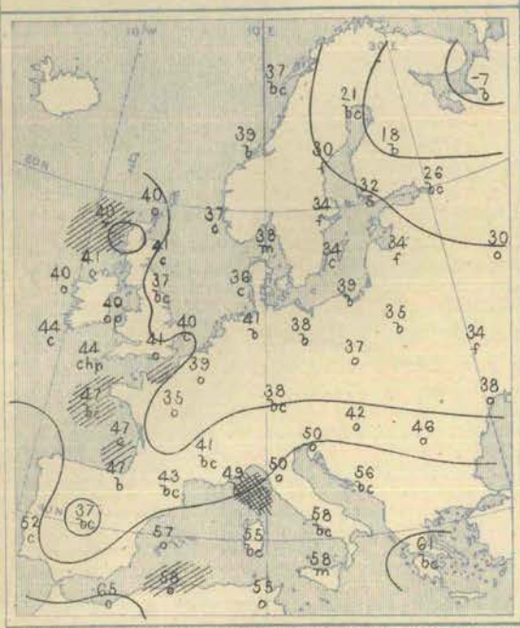
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

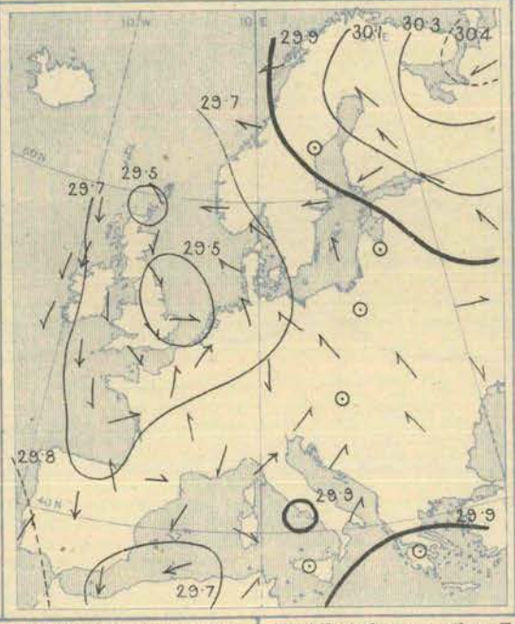
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 31st March.

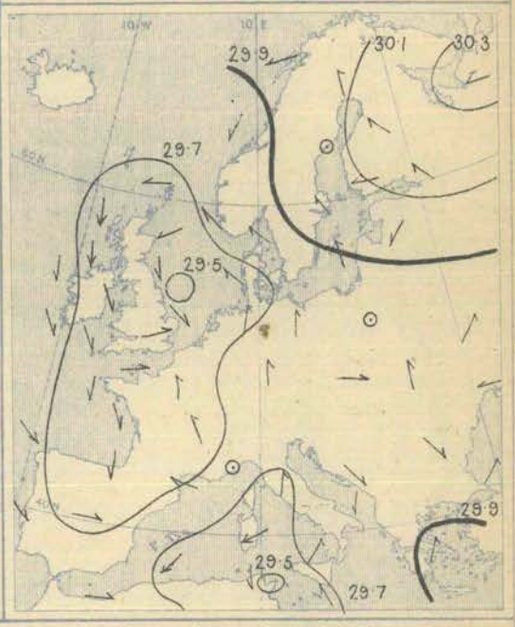
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over northern and many parts of central Europe and over Spain, changeable and unsettled elsewhere, with steady rain in Scotland and showers of rain and hail at several of our western stations. Moderate falls of rain over the northern and north-western countries later, and smaller quantities over western Europe and the Baltic generally; a thunderstorm at Paris, preceded by a solar halo.

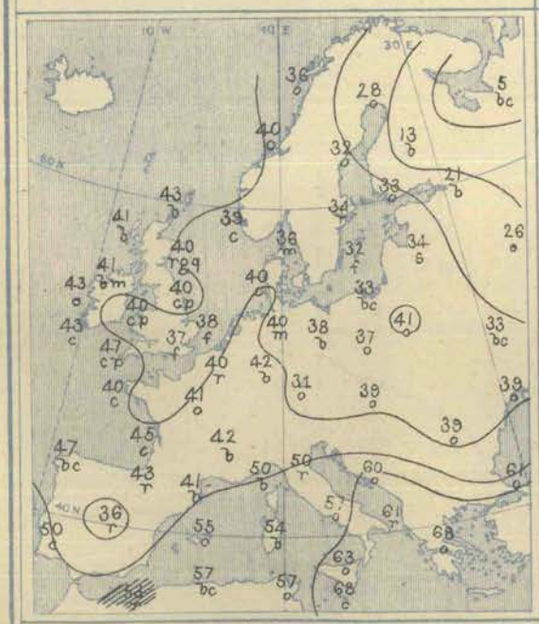
Temperature fallen over the Mediterranean and central Europe, changed irregularly elsewhere. Morning readings highest, exceeding 60° at some stations on the southern side of the Mediterranean, and exceeding 50° on the coasts of southern Europe generally; 44° at Scilly and Valencia, 43° at Ardrossan. Lowest, − 7° Fahr. at Archangel, + 18° at Kuopio, 21° at Haparanda, 26° at St. Petersburg, and below the freezing point over northern Europe as a whole; 37° at Shields, 39° at Nairn. Not touching 50° at any of our own stations later, but reaching 59° at Lisbon, 61° at Perpignan, and 70° to 73° at some stations on the southern side of the Mediterranean.

Wind Easterly over northern Europe, and blowing a moderate gale at Helsingfors, moderate to light elsewhere; Northerly and North-Westerly over the United Kingdom, and blowing strongly at the western stations, Westerly, moderate, in the north of France. Southerly to South-Easterly, light, over the Netherlands and Holstein; very light and variable over central Europe, variable and moderate over the Mediterranean. A cyclonic circulation of strong winds prevailing over Algeria. Fresh North-Westerly winds in Portugal later.

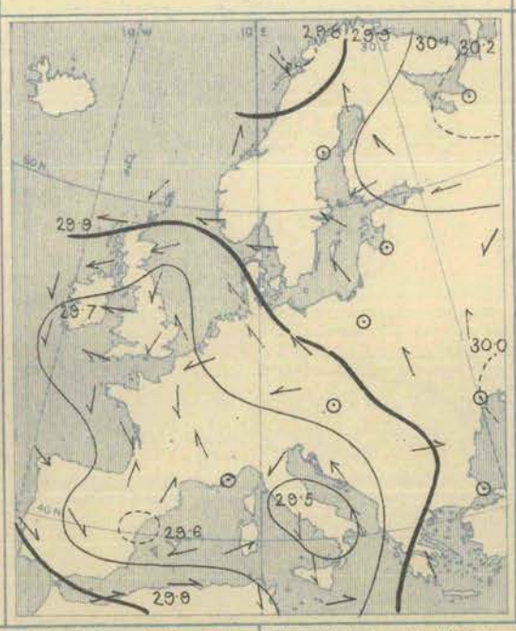
Barometer highest, (1) 30·2 ins. and more to 29·9 ins. in a large anticyclone over northern Europe; (2) 29·8 ins. and more over the south-west of Spain, and exceeding 29·7 ins. over the west of Ireland. Lowest, (1) 29·4 ins. in a complex depression off the north-east coast of England, and below 29·6 ins. over nearly the whole of Great Britain; (2) below 29·5 ins. in another depression having its centre over Algeria. Latter system moving to Tunis later; little change elsewhere.

Monday, 1st April.

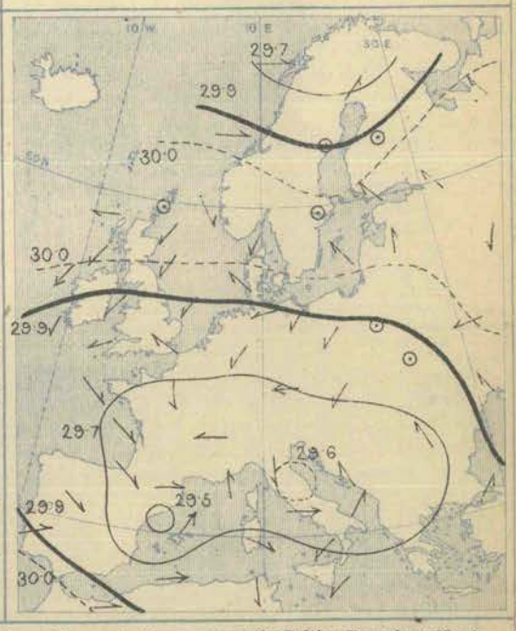
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy in the east and south-east of England, and cloudy in most other parts of the United Kingdom, with showers in places. Fine in Germany and the east and south of France, as well as over northern Russia, cloudy or overcast in most other parts of the Continent, with rain at a few isolated stations. Weather clearing later in the south-east of England, but showers falling in many parts of the United Kingdom, with hail in places, and with thunder at Loughborough.

Temperature changed very irregularly. Morning readings highest, 68° at Athens and Malta, 64° at Patras, and 63° at Palermo and Malta, above 55° at several of the Mediterranean and Adriatic stations. Lowest, 5° at Archangel, 13° at Kuopio, 21° at St. Petersburg, 26° at Moscow, and 28° at Haparanda; below the freezing point over the northern parts of Sweden and Russia generally, and very little above it over central England. Daily maxima below 45° at some of our own western and northern stations, but thermometer exceeding 50° in the south-east of England, and exceeding 60° in the south of France.

Wind Easterly or South-Easterly over Denmark, Germany, and the Baltic; Easterly or North-Easterly over the United Kingdom generally, and fresh to strong on some of the more exposed parts of our northern and north-western coasts, but Northerly or North-Westerly in the north of France and also over the Spanish Peninsula. Calm or variable in Austria and the south of France. Well-marked cyclonic circulation of moderate to fresh breezes reported over the Adriatic, Italy, and the adjacent parts of the Mediterranean. No important change occurring over western Europe during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over northern Russia; 29·9 ins. and upwards over Morocco and the extreme south-western parts of the Spanish Peninsula. Lowest, 29·5 ins. and less in a well-defined depression over Italy, 29·7 ins. and less in a large shallow area over France, England, and Ireland; 29·8 ins. and less in a depression over the north-west of Norway. Low pressure system over our Islands subsequently moving southwards and filling up; barometer rising over western Europe generally.

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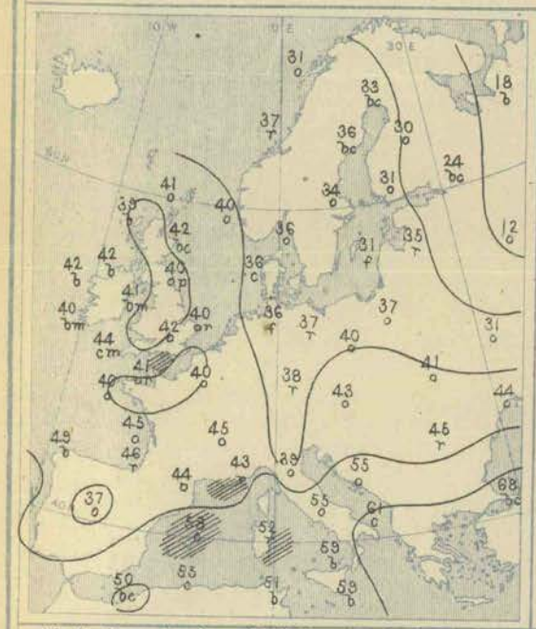
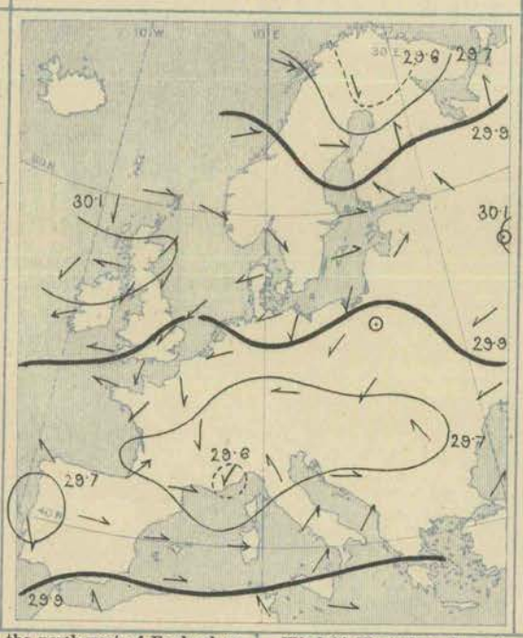
Tuesday, 2nd April.

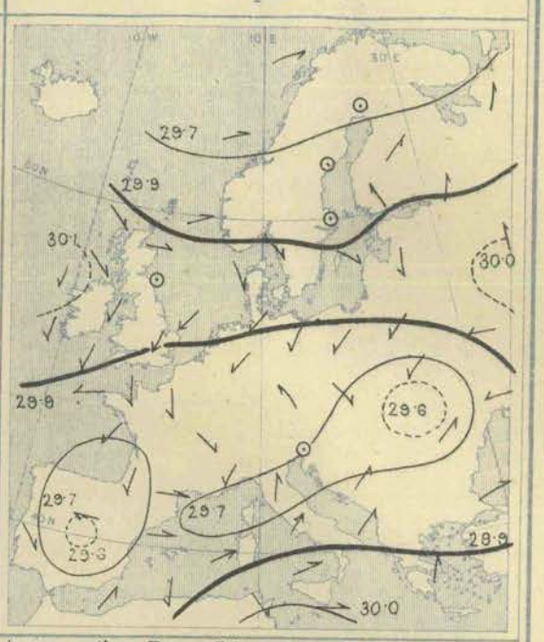
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Scotland, Ireland, and the north-west of England, as well as over the Netherlands, the north-east of France, and north of Spain; cloudy or overcast elsewhere and unsettled, with snow at Uleaborg, rain in the west of Norway and at Riga; slight drizzle over the eastern counties of England, and steady rain at Biarritz and Nice. Clearing up in the south of France later, but raining a little in the north-west and north of our Islands.

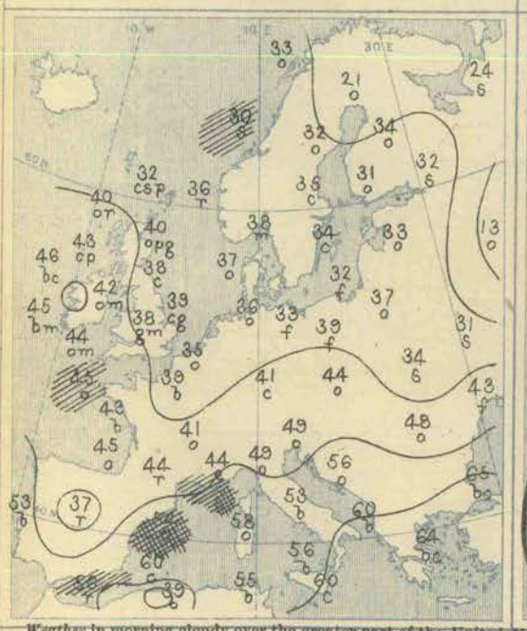
Temperature in morning highest, 61° at Brindisi, 59° at Palermo and Malta, and exceeding 50° over the southern half of the Mediterranean as a whole, 49° to 46° on the northern coast of Spain; 44° at Scilly, 42° in London and on the northern coasts of Ireland. Lowest, (1) 12° at Moscow, 18° at Archangel, 24° at St. Petersburg; (2) 31° at Bodö and Wisby, 37° at Wick. Rising to 45° or more over the greater part of our Islands during the day, to upwards of 50° in the east of Scotland, to 59° at Paris, and to between 55° and 61° over the southern parts of France.

Wind (1) Westerly and moderate over northern Europe, light at Sumburgh Head; (2) North-Easterly to Easterly over north Germany, France, and the British Islands; (3) a cyclonic circulation of moderate winds prevailing over the Mediterranean. Becoming North-Westerly and Westerly in Scotland later, and freshening from West over Scandinavia.

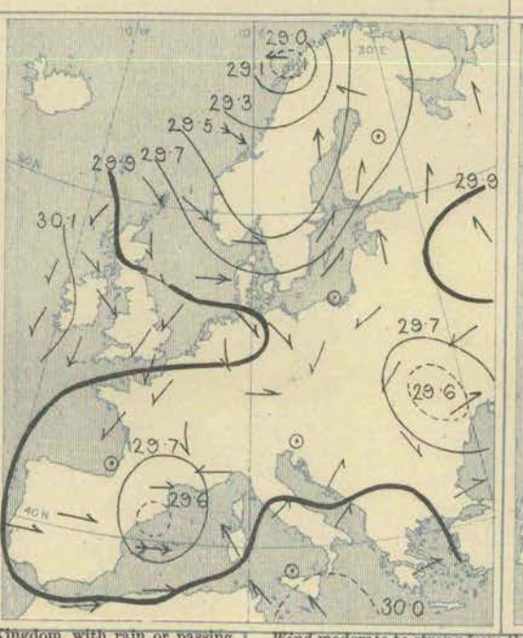
Barometer highest, 30·1 ins. and more to 30·0 ins. in a band stretching from the Atlantic over the northern parts of our Islands and the North Sea to Denmark and the south of Sweden. Lowest, (1) below 29·6 ins. over Lapland; (2) 29·6 ins. and less to 29·7 ins. over the southern parts of France, the northern parts of the Mediterranean and Italy, and the south of Austria; (3) below 29·7 ins. in a depression over Portugal. Falling fast over northern Europe later, and moderately over Scotland, rising over England and Ireland.

Wednesday, 3rd April.

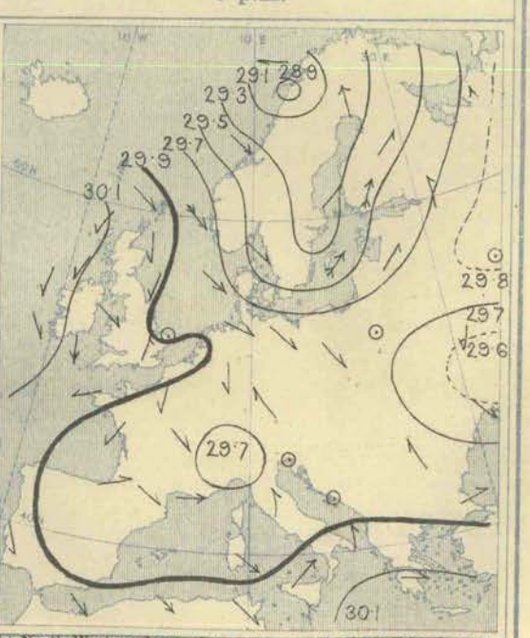
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy over the greater part of the United Kingdom, with rain or passing showers at several of our northern stations, and with snow at Sumburgh Head. Fine over central France and southern Italy, but dull in most other parts of the Continent; rain falling in the south of Scandinavia, as well as in some parts of Spain and the south of France, and snow at several of the Russian stations and also at Christiansund. Showers falling during day in many parts of Great Britain, with snow in the north of Scotland; thunderstorm and heavy rain occurring at Biarritz.

Temperature fallen in Scandinavia and also in the east of England, but changed irregularly elsewhere. Morning readings highest, 65° at Constantinople, 64° at Athens, and 60° at Algiers and Malta; above 55° at several of the Mediterranean and Adriatic stations. Lowest, 13° at Moscow, 21° at Haparanda, 24° at Archangel and Uleaborg, and 30° at Christiansund; below 35° over northern Europe generally, as well as in the Shetlands and at Parsonstown. Daily maxima below 40° in the north of Scotland, and below 45° on the east and south-east coasts of England, but thermometer reaching 50° at some of our western stations, and exceeding 55° in many parts of France.

Wind moderate to strong from the North-Westward over the northern parts of our Islands and also in the west of Norway, with a gale at Christiansund; Westerly in Denmark, South-Westerly or Southerly in Sweden, and Easterly in the north of Scandinavia. Light to moderate from the Northward or North-Eastward over France, Belgium, and the southern parts of our Islands; Westerly in Spain and Algeria; South-Westerly in Italy. Light from the South-Eastward or Eastward at most of the Russian stations. Subsequently veering to the Northward or North-Eastward on our northern coasts, but backing to the Westward in the south-east of England.

Barometer highest, 30·1 ins. and upwards in the west of Ireland; 30·0 ins. and upwards over the central parts of the Mediterranean; 29·9 ins. and upwards over central Russia. Lowest, 29·0 ins. and less in a deep depression over the north-west of Norway; 29·6 ins. and less in two shallow disturbances, one lying over Galicia and the other off the north-east coast of Spain. Depression in far north moving eastwards later, but small secondary disturbances passing southwards across Great Britain and the North Sea.

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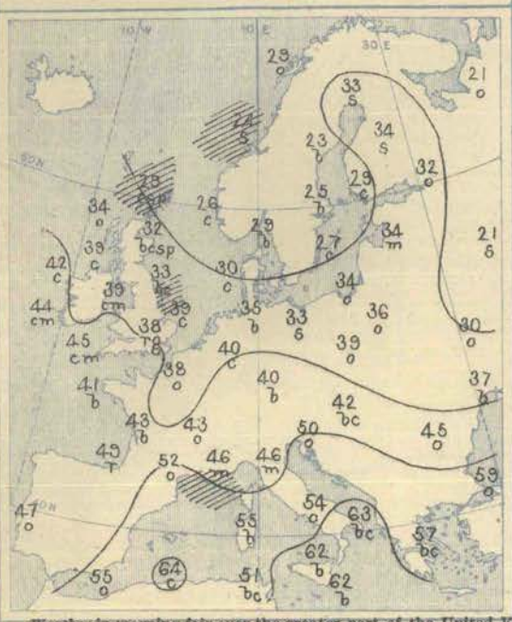
Thursday, 4th April.

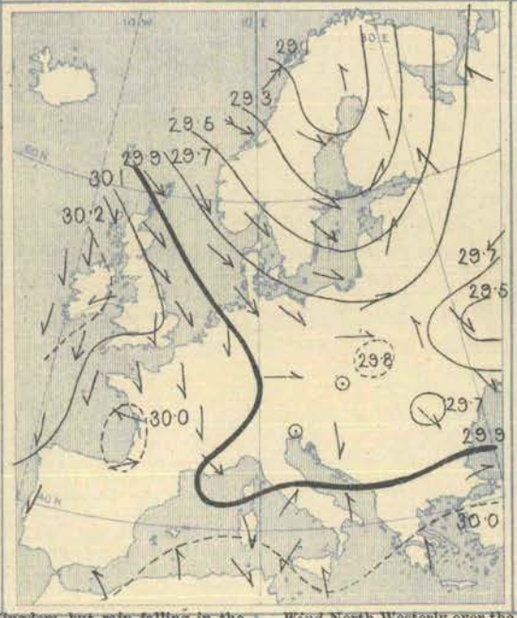
Temperature and Weather. 8 a.m.

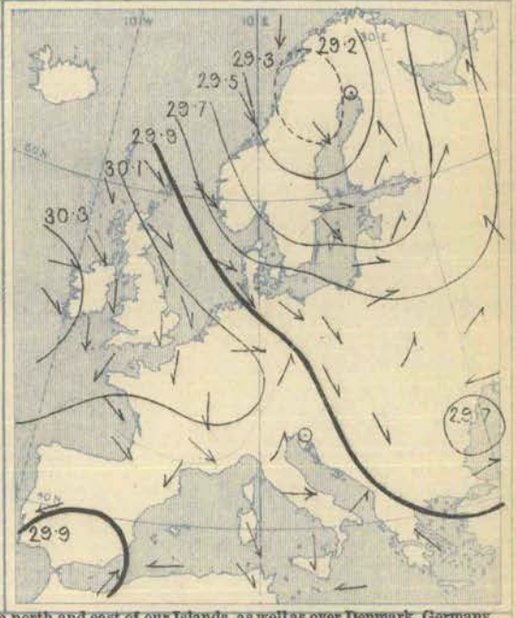


Weather in morning fair over the greater part of the United Kingdom, but rain falling in the south-east of England, and snow showers in the north and north-east of Scotland. Very variable over the Continent; fine in some places, but dull in others, with rain at Brussels, Biarritz, and Rome. Snow falling at several of the Russian stations and also at Haparanda. Snow or sleet showers falling during day in many parts of our own north and east coasts, as well as in Holland, and rain in the west of Ireland. Lunar halos seen at Leith and Spurn Head.

Temperature fallen in most places. Morning readings highest, 64° at Algiers, 63° at Brindisi and Sfax, and 62° at Palermo and Malta; above 55° at several of the Mediterranean stations. Lowest, 21° at Archangel and Moscow, 23° at Carlstadt, and 23° at Hernösand, below the freezing point over northern Europe generally, as well as in the north of Scotland. Daily maxima ranging between 39° and 45° over the northern and eastern parts of our Islands as a whole, but thermometer not exceeding 34° at Sumburgh Head. Rising to 50° and upwards on our extreme south-west coasts, and to 60° and upwards in the south of France.

Barometer and Wind. 8 a.m. and 6 p.m.



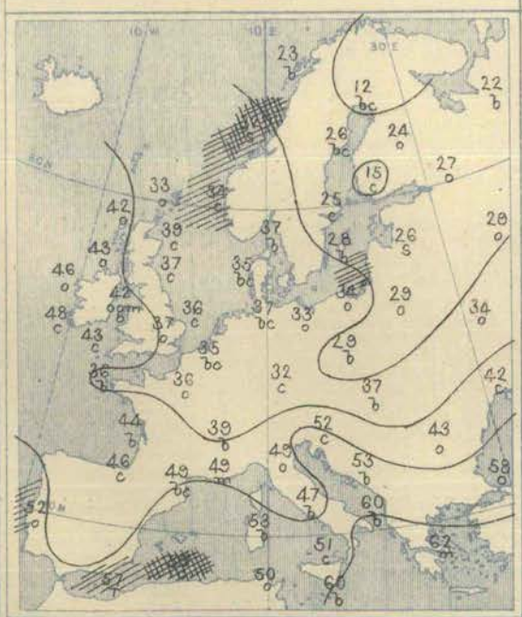


Wind North-Westerly over the north and east of our Islands, as well as over Denmark, Germany, and the greater part of Scandinavia; strong in force in many places, with a gale at Christiansund. South-Westerly or Southerly over Finland and the north of Scandinavia. Moderate from the Northward over the western and southern parts of the United Kingdom and also in the north of France; variable in the south of France; South-Westerly or Southerly over the central and southern parts of Italy. Cyclonic circulation of light winds reported over the south of Russia. Wind subsiding later in the north of Scotland. No important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the west of Ireland. Lowest, 29·1 ins. and less in a large depression over the north of Scandinavia, 29·5 ins. and less in a smaller system over the south of Russia (secondary disturbances reported over Poland and Austria. Anticyclone subsequently spreading eastwards over the greater part of England, and barometer rising over our Islands and France generally.

Friday, 5th April.

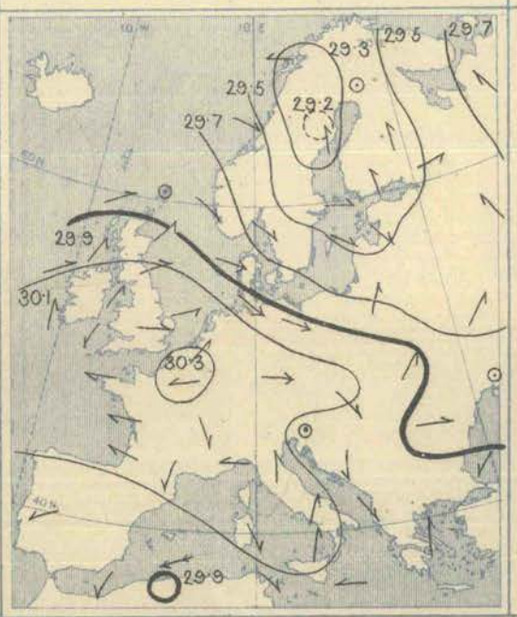
Temperature and Weather. 8 a.m.

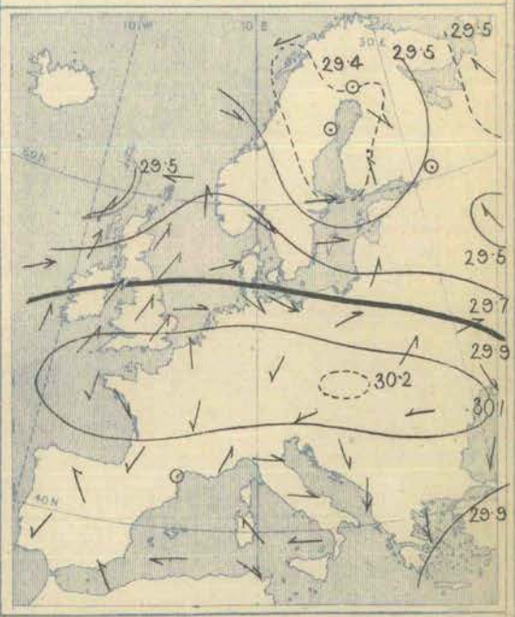


Weather in morning fine over the southern parts of Germany and France and the Mediterranean generally; fair over England, dull in Ireland and Scotland, snow falling at Christiansund and at Münster. Heavy rain falling in the north of Scotland, the Hebrides, and Shetlands later, smaller quantities over Ireland and Scotland generally, snow in several parts of northern Europe. Solar and lunar halos seen in many parts of our Islands.

Temperature risen over Ireland and Scotland, fallen over the Continent. Morning readings highest, 62° at Athens, 60° at Brindisi and Malta, and exceeding 50° at most of the Mediterranean stations and on the coast of Portugal; 48° to 46° in the west of Ireland. Lowest, 12° Fahr. at Haparanda, 15° at Hangö, much below the freezing point over the north of Russia as a whole, and slightly below it in several parts of central Europe. Rising later to 50° or more in many parts of our Islands, and air becoming softer than in morning, to 60° and more over southern Europe, and to between 70° and 80° over Algeria.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind (1) moderate, Easterly, at Bodö; strong, North-Westerly, on the coasts of Norway and the eastern shores of the North Sea, Westerly over north Germany, Southerly over Finland; (2) Southerly and South-Westerly, light, in Ireland, Westerly in Scotland, very variable and light over England, Easterly over France, the Bay of Biscay, and Spain; (3) very variable over the Atlantic. Increasing considerably from South-West and South on our western coasts later, and blowing a moderate gale at some stations.

Barometer highest, 30·3 ins. and more to 30·1 ins. in an anticyclone covering France, the Bay of Biscay, the greater part of Ireland and England, and all of western and southern Germany. Lowest, (1) 29·3 ins. and less to 29·2 ins. in a depression over the northern half of Sweden and Norway, and below 29·5 ins. over the Baltic Provinces of Russia; (2) below 30·0 ins. over the south of Spain. Very decided fall taking place over the United Kingdom later (especially in north-west); anticyclone over France decreasing in intensity.

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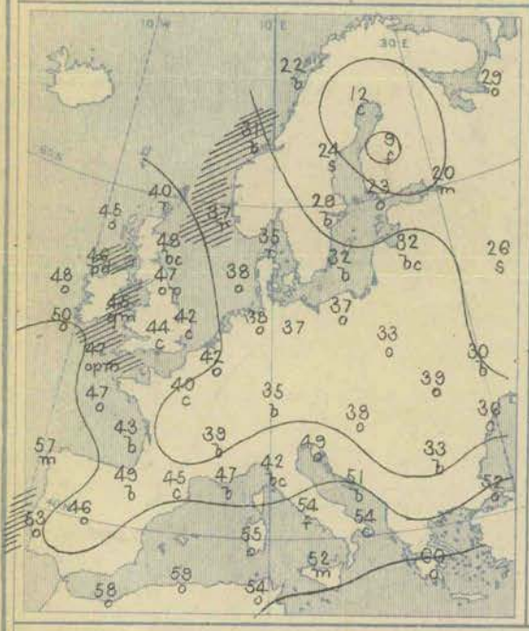
Saturday, 6th April.

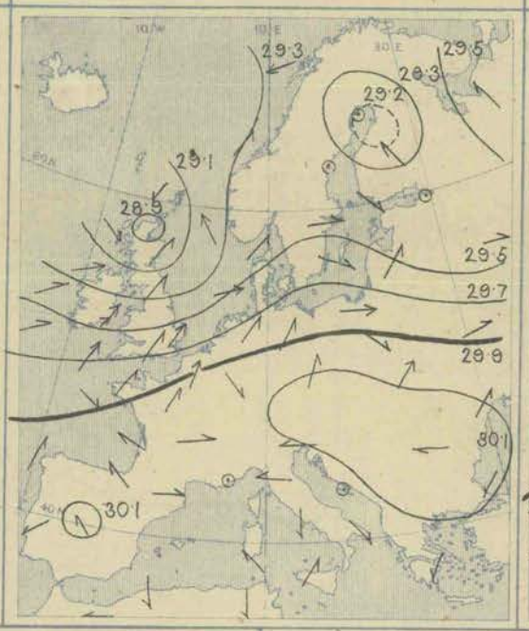
Temperature and Weather.

8 a.m.

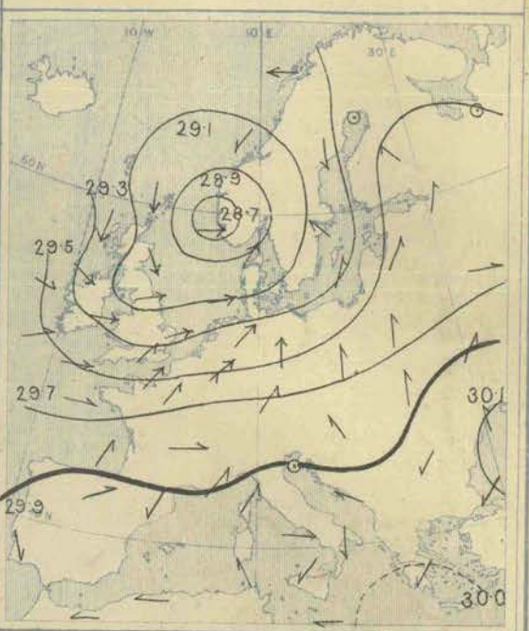


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright (1) over many parts of the Mediterrranean and south-eastern Europe, (2) at most of the Scandinavian stations; cloudy or overcast elsewhere, with rain in Scotland and the south-west of Norway, snow at Moscow. Showers, more or less, in all parts of our Islands and their neighbourhood consisting of snow at the more northern stations, rain elsewhere, but fine weather continuing over southern Europe.

Temperature risen temporarily over our Islands, especially in the north. Morning readings highest, 60° at Athens, and 59° to 54° over the southern shores of the Mediterranean generally; 50° on the south coast of Ireland and at Leith, 49° at Nairn. Lowest, 9° at Kuopio, 20° to 29° over Lapland, Sweden, and the north of Russia, 30° at Kiev. Rising later to 50° or rather more in some parts of our Islands, and to between 60° and 64° in the south of France. Succeeding night cold over north Britain.

Wind (1) fresh, North-Easterly, at Bodö, but Westerly and South-Westerly over the British Islands as a whole, and blowing strongly in many places; South-Westerly and Westerly, fresh to strong, over north Germany also. (2) Very light, variable, and anticyclonic over south-eastern, southern, and south-western Europe. Blowing a gale from South-West over the south-east of England and straits of Dover later, and from between West and North in Scotland.

Barometer highest, 30·1 ins. and more to 29·9 ins. in a large high-pressure system covering all the south-western, southern, and south-eastern countries of Europe. Lowest, 29·2 ins. and less in a depression over Finland, and below 28·9 ins. in another over the Moray Firth and north-east of Scotland. Gradients becoming steep over the north-western countries. Scotch depression moving eastwards later and growing deeper.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; → = a fresh to strong breeze; → = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 80.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	13·4	?	15	?	EASTBOURNE	22·1	?	25	?
OSWALDKIRK (Yorkshire)	26·0	?	29	?	MANCHESTER (Oldham Road)	9·1*	?	10*	?
WORKSOP	14·5	−11·5	16	−13	TENBY	34·2*	?	38*	?
THURCASTON (Leicestershire)	18·6	− 5·7	20	− 6	NEWQUAY	35·5	?	39	?
MARGATE	15·9	?	18	?	TORQUAY	24·3*	?	27*	?
WESTBOURNE (Sussex)	19·6*	?	22*	?	ARLEY COTTAGE (County Cavan)	20·9	?	23	?
BRIGHTON	25·6	?	28	?	GUERNSEY	23·6*	?	26*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith. 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH; 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 15.] *Third Series.* WEEK ENDING SATURDAY, APRIL 13TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 86.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	27	47·9	36·2	41·8	0 (average)	17	− 1	23	+ 1	65	− 57	792	+310
	1. SCOTLAND, EAST	59	25	50·9	36·2	43·2	1 above	33	+ 7	16	− 7	90	− 97	951	+430
	2. ENGLAND, N.E.	61	27	53·1	37·1	44·7	2 above	39	+15	14	− 6	134	− 50	768	+296
	3. ENGLAND, EAST	65	29	56·1	37·1	46·2	2 above	50	+17	14	− 6	172	− 53	837	+308
	4. MIDLAND COUNTIES	64	25	56·2	37·9	46·2	2 above	50	+16	14	− 6	170	− 80	914	+396
	5. ENGLAND, SOUTH	65	31	54·9	40·4	47·3	2 above	44	+ 8	4	− 9	162	−105	748	+347
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	26	51·6	38·0	44·5	1 above	34	+ 7	11	− 4	107	− 80	763	+381
	7. ENGLAND, N.W.	59	28	52·0	38·9	45·2	0 (average)	35	+ 7	9	− 6	106	− 81	718	+324
	8. ENGLAND, S.W.	62	28	53·8	40·7	47·0	2 above	40	+ 8	4	− 6	170	−113	651	+349
	9. IRELAND, NORTH	58	30	52·3	39·4	45·6	1 above	36	+ 4	7	− 6	147	−118	630*	+232
	10. IRELAND, SOUTH	61	30	54·6	42·1	48·1	2 above	43	+ 7	0	−10	200	−152	475	+210
	—CHANNEL ISLANDS	60	39	53·2	44·0	48·4	1 above	45	+ 9	0	− 2	226	−139	360	+249

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 86.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	6 more	71	− 2	12·4	− 3·7	16	−11	17	−11	239	+ 17	26	+ 2
	1. SCOTLAND, EAST	3	1	3 less	56	− 1	7·0	− 1·5	44	+26	46	+26	255	+ 6	29	+ 1
	2. ENGLAND, N.E.	1	less than ½	4 less	62	+ 9	7·7	+ 1·3	51	+23	54	+26	309	+ 55	29	+ 6
	3. ENGLAND, EAST	1	less than ½	4 less	57	− 5	6·0	− 0·3	53	+22	57	+24	321	+ 32	31	+ 3
	4. MIDLAND COUNTIES	1	less than ½	4 less	47	− 3	5·7	− 1·6	46	+16	51	+20	294	+ 30	27	+ 3
	5. ENGLAND, SOUTH	1	1	4 less	44	− 5	5·2	− 2·4	41	+ 7	43	+ 6	336	+ 18	28	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	3	4 less	57	− 4	7·8	− 7·8	39	+ 5	41	+ 6	285	+ 22	27	+ 3
	7. ENGLAND, N.W.	0	—	5 less	52	− 5	7·3	− 1·6	47	+17	50	+19	240	+ 30	26	+ 2
	8. ENGLAND, S.W.	2	1	5 less	50	− 7	8·6	− 2·9	52	+14	56	+16	395*	+ 64	35	+ 5
	9. IRELAND, NORTH	4	2	4 less	65	0	8·4	− 1·4	30	0	32	0	*277	+ 18	27	+ 3
	10. IRELAND, SOUTH	2	1	5 less	54	− 6	9·9	− 1·8	35	− 2	37	− 2	314	− 7	29	− 1
	—CHANNEL ISLANDS	2	less than ½	5 less	59	− 4	7·7	− 2·0	56	+12	60	+13	435	+ 74	42	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued somewhat unsettled over the extreme north-western and northern parts of the Kingdom, but elsewhere it was generally fair and dry.

Temperature just equalled the mean in Scotland N. and England N.W., but was above it in all other districts, the excess ranging from 1° to 2°. The highest of the maxima were recorded either on the 9th or 10th, and varied from 65° in England E. and S., and 64° in the Midland Counties, to 58° in Ireland N., and to 55° in Scotland N. The lowest of the minima were registered either at the beginning or at the end of the period, when they ranged from 25° in Scotland E. and the Midland Counties, and 26° in Scotland W., to 31° in England S., and to 39° in the Channel Islands.

Rainfall was considerably more than the mean in Scotland N., but much less elsewhere. Over the greater part of the Kingdom the fall was extremely slight.

Bright Sunshine was very abundant over England and the greater part of Scotland, but in Ireland and over Scotland N. the number of hours recorded fell short of the normal. The percentage of the possible duration ranged from 60 in the Channel Islands, 57 in England E., and 56 in England S.W., to 32 in Ireland N., and to 17 in Scotland N.

Barometer and Wind.—During the earlier part of the week some rather deep depressions skirted our extreme north-western and northern coasts, causing strong South-Westerly or Westerly winds and gales over all our northern districts. As the week drew towards a close the distribution of the pressure over our Islands became anticyclonic, with Westerly winds in the north, and North-Easterly and Easterly breezes in the south.

607 1 | 90 W. & S., Ltd.
213 70 5 | 95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 85 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	48	31	45·4	35·0	40·0	− 0·5	10	25	5	0·83	+0·33	*	*	*	*
	Stornoway	51	32	47·7	36·6	41·9	− 0·3	16	21	5	1·18	+0·55	22·9	−11·1	24	−11
	Wick	54	32	48·7	35·6	41·8	− 0·2	19	25	5	0·28	−0·10	*	*	*	*
	Glencarron Ⓢ	51	27	47·6	35·2	41·1	− 0·6	16	26	6	2·28	+1·18	*	*	*	*
	Fort Augustus Ⓢ	53	28	48·9	36·8	42·6	− 0·1	26	15	5	1·13	+0·65	? 10·2	?	? 11	?
	Fort William Ⓢ	55	29	49·1	37·8	43·2	− 0·7	26	12	5	1·60	+0·73	14·3	?	15	?
1. SCOTLAND, E.	Nairn	59	30	52·4	36·4	44·0	+ 1·1	38	16	5	0·14	−0·16	*	*	*	*
	Aberdeen	59	32	51·6	36·4	43·6	+ 1·0	35	16	3	0·09	−0·42	57·6	+25·6	60	+26
	Braemar Ⓢ	50	25	46·3	34·1	39·9	+ 0·2	12	29	2	0·17	−0·38	22·2†	?†	23†	?†
	Ochtertyre Ⓢ	56	28	53·4	35·7	44·1	+ 1·4	41	18	3	0·32	−0·23	*	*	*	*
	Leith	57	30	53·4	37·4	45·0	+ 0·9	40	13	3	0·13	−0·25	*	*	*	*
	Marchmont Ⓢ	52	28	48·1	37·4	42·5	+ 0·7	23	13	0	—	−0·57	48·8	?	51	?
2. ENGLAND, N.E.	Alnwick Castle	55	29	49·7	37·3	43·2	+ 1·4	28	13	1	00·1	−0·51	*	*	*	*
	Durham	59	27	54·1	35·7	44·5	+ 1·6	44	18	1	0·03	−0·47	49·0	+23·0	52	+25
	Shields	59	30	52·0	38·0	44·7	+ 1·7	36	11	1	0·10	−0·32	*	*	*	*
	Scarborough Ⓜ	60	30	55·9	37·1	46·1	+ 2·3	49	14	0	—	−0·48	*	*	*	*
	York	60	29	55·6	35·6	45·1	+ 0·5	49	18	1	0·03	−0·37	53·6	+24·7	57	+27
	Spurn Head	58	35	51·4	38·6	44·7	+ 1·3	33	10	1	0·01	−0·33	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	63	30	56·6	36·3	45·8	+ 1·1	51	16	0	—	−0·41	61·4	+29·4	65	+31
	Yarmouth	62	35	53·1	38·6	45·5	+ 2·1	39	10	1	0·01	−0·39	*	*	*	*
	Geldeston	63	29	56·2	36·3	45·8	+ 1·1	51	16	1	0·01	−0·36	51·7	+14·9	55	+16
	Cambridge	65	31	58·7	36·7	47·2	+ 2·0	59	15	1	0·01	−0·37	56·2	+21·9	60	+25
	Rothamsted	63	30	56·1	37·7	46·5	+ 2·2	50	12	2	0·02	−0·46	43·6	?	46	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	62	29	56·4	37·3	46·4	+ 1·7	51	13	0	—	−0·37	*	*	*	*
	Loughborough	63	30	57·6	36·6	46·6	+ 1·1	55	15	1	0·01	−0·41	*	*	*	*
	Stamford (Ketton Ha	63	27	58·3	36·0	46·6	+ 1·4	57	17	0	—	−0·45	*	*	*	*
	Cheadle Ⓜ	61	31	54·8	36·9	45·4	+ 2·1	45	14	0	—	−0·50	*	*	*	*
	Solihull	62	33	54·6	37·6	45·7	+ 1·1	44	12	1	0·01	?	*	*	*	*
	Churchstoke Ⓜ	61	28	54·6	35·0	44·3	+ 1·1	46	20	1	0·01	−0·41	48·1	+17·0	51	+19
	Hereford Ⓜ	64	29	57·5	38·7	47·7	+ 2·6	54	9	1	0·03	−0·39	*	*	*	*
	Cirencester	59	25	55·4	36·3	45·4	+ 1·5	48	16	2	0·02	−0·42	49·4	+17·6	53	+19
	Oxford	62	33	57·0	38·7	47·4	+ 2·1	52	9	1	0·03	−0·39	43·7	+11·5	46	+12
5. ENGLAND, S.	London	64	34	58·0	39·9	48·5	+ 1·9	54	6	1	0·08	−0·35	39·9†	+12·0†	42†	+13†
	North Foreland	63	36	53·3	41·7	47·2	+ 2·6	38	1	1	0·02	?	*	*	*	*
	Strathfield Turgiss Ⓜ	65	31	59·5	40·1	49·3	+ 3·7	59	5	1	0·05	−0·38	*	*	*	*
	Dungeness	59	36	51·0	39·3	44·9	+ 0·1	32	8	1	0·03	−0·39	*	*	*	*
	Hastings (St. Leonards)	59	37	52·2	39·9	45·8	− 0·6	35	6	2	0·10	−0·37	37·8	− 0·2	40	− 1
	Southampton	64	37	58·1	41·0	49·1	+ 2·6	54	3	2	0·10	−0·39	45·5	+ 8·3	48	+ 8
	Hurst Castle	60	39	52·9	42·3	47·4	+ 1·8	38	0	1	0·02	−0·38	*	*	*	*
	Stowell Ⓜ	58	32	54·2	39·3	46·4	+ 1·4	42	8	1	0·01	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	29	55·2	37·4	45·9	+ 1·3	47	13	5	1·07	+0·09	*	*	*	*
	Glasgow	53	31	50·2	38·2	43·9	+ 0·4	29	11	3	0·10	−0·43	37·1	+ 9·1	39	+10
	Ardrossan	53	32	49·3	38·4	43·6	− 0·9	26	10	4	0·08	−0·44	*	*	*	*
	Glenlee Ⓢ	57	26	52·5	36·4	44·1	+ 1·6	38	16	4	0·13	−0·56	*	*	*	*
	Douglas (Isle of Man)	55	32	50·9	39·4	44·9	+ 0·7	31	7	1	0·02	−0·56	40·6	+ 0·9	43	+ 2
7. ENGLAND, N.W.	Stonyhurst	54	30	50·7	36·2	43·1	− 0·9	32	16	0	—	−0·58	45·8	+15·7	49	+17
	Blackpool Ⓜ	56	32	52·4	37·8	44·8	+ 0·2	37	12	0	—	−0·42	48·2	+16·3	51	+18
	Manchester (Prestwich)	59	28	53·2	36·5	44·5	+ 0·2	41	15	0	—	−0·48	45·0	?	48	?
	Liverpool Obsy. (Bidston)	59	35	52·9	40·3	46·3	+ 0·8	37	5	0	—	−0·37	*	*	*	*
	Llandudno Ⓜ	58	35	52·6	41·1	46·6	+ 0·5	36	3	1	0·01	−0·42	50·0	+20·0	53	+22
	Holyhead	53	38	50·4	41·7	45·8	0·0	28	1	1	0·02	−0·43	*	*	*	*
8. ENGLAND, S.W.	Llandovery	62	28	57·4	36·7	46·6	+ 2·1	54	15	3	0·16	−0·51	*	*	*	*
	Pembroke	52	37	48·7	41·6	45·0	− 0·3	23	1	1	0·02	−0·45	51·3	+10·3	55	+12
	Bristol (Montpelier)	61	33	57·6	40·9	48·9	+ 3·4	53	3	3	0·21	−0·31	*	*	*	*
	Arlington (N. Devon)	57	33	53·6	39·6	46·3	+ 2·3	40	7	4	0·22	−0·45	*	*	*	*
	Cullompton Ⓜ	61	32	56·8	40·3	48·2	+ 2·8	51	5	2	0·03	−0·55	47·6	+14·4	51	+16
	Falmouth	56	39	52·0	42·6	47·1	+ 0·5	36	0	2	0·04	−0·67	58·4	+19·4	63	+22
	Plymouth	55	38	52·7	41·8	47·0	− 0·3	36	1	2	0·07	−0·50	48·9	+10·7	53	+13
	Prawle Point	55	39	51·7	42·3	46·8	+ 1·7	34	0	2	0·04	−0·46	*	*	*	*
9. IRELAND, N.	Malin Head	53	37	49·3	41·0	45·0	+ 0·2	25	3	4	0·24	?	*	*	*	*
	Londonderry	55	34	53·2	39·7	46·1	+ 0·4	38	6	5	0·20	−0·32	*	*	*	*
	Edenfel (Omagh)	54	34	51·6	37·6	44·3	+ 0·1	35	12	2	0·21	−0·29	*	*	*	*
	Belmullet	52	40	51·4	43·1	47·1	− 0·3	36	0	6	0·48	?	*	*	*	*
	Markree Castle	57	31	54·2	39·0	46·2	+ 1·5	42	8	5	0·15	−0·42	32·8	− 0·4	35	0
	Brookeborough	56	35	52·5	39·0	45·4	+ 1·7	36	8	3	0·15	−0·44	*	*	*	*
	Armagh	56	32	52·8	37·9	45·0	+ 1·3	38	11	3	0·05	−0·44	30·4	+ 0·4	32	+ 1
	Donaghadee	57	35	52·1	39·7	45·6	+ 1·0	35	6	3	0·05	−0·40	*	*	*	*
	Edgeworthstown	58	30	53·8	38·0	45·5	+ 1·8	41	11	1	0·03	−0·53	*	*	*	*
10. IRELAND, S.	Dublin	61	36	54·9	42·3	48·3	+ 2·5	44	0	0	—	−0·48	39·7	+ 3·5	42	+ 4
	Parsonstown	61	30	55·1	40·3	47·3	+ 2·2	44	5	1	0·05	−0·43	30·6	− 4·7	33	− 5
	Kilkenny	60	31	55·7	41·0	48·0	+ 2·4	46	3	2	0·12	−0·40	*	*	*	*
	Roche's Point	58	39	54·6	43·6	48·6	+ 1·6	46	0	0	—	−0·75	*	*	*	*
	Valencia	57	39	53·7	44·7	49·0	+ 1·5	49	0	2	0·08	−0·79	34·2	− 4·6	36	− 5
	Killarney	59	31	55·5	39·9	47·3	+ 0·6	46	6	3	0·12	?	*	*	*	*
	Foynes	59	35	53·6	42·9	48·0	+ 1·9	42	0	4	0·16	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	53	42	51·7	45·0	48·2	+ 0·6	43	0	1	0·01	−0·53	55·9	?	60	?
	Jersey	60	39	54·7	42·9	48·5	+ 0·7	46	0	2	0·04	−0·46	55·1	+12·1	59	+13

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

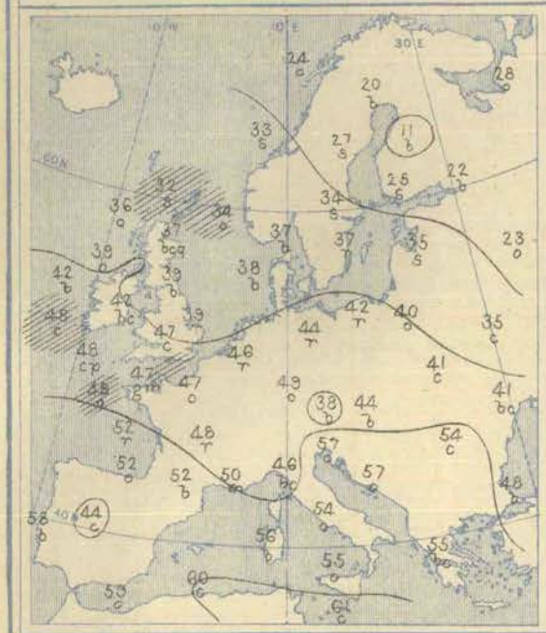
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 7th April.

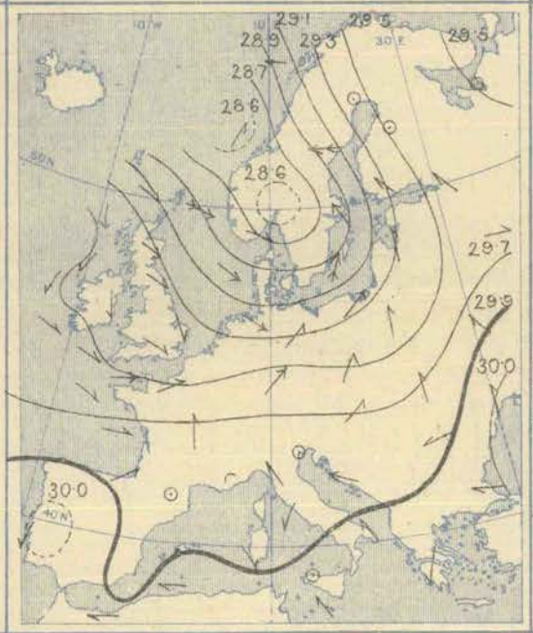
Temperature and Weather.

8 a.m.

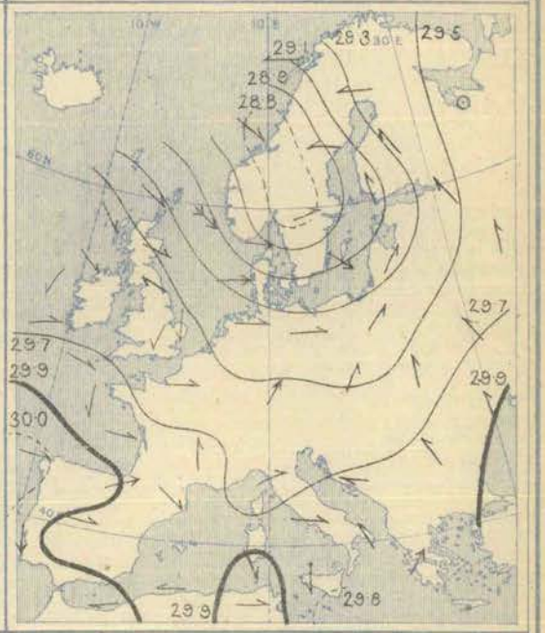


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning changeable and showery over the greater part of the United Kingdom, with snow at Sumburgh Head, and with sleet at Nairn and Loughborough. Fine in Denmark and Finland, as well as over southern Europe generally, but rainy at several of the French and German stations, and snow reported in many parts of Scandinavia. Gradual improvement taking place over our Islands during day; no important change occurring elsewhere, but sky becoming overcast in many parts of Italy.

Temperature fallen in our Islands, briskly in the north, but risen at most of the Continental stations. Morning readings highest, 61° at Malta, 60° at Barcelona and Algiers, and 59° at Nemours and Aumale; above 55° at several of the Mediterranean and Spanish coast stations. Lowest, 11° at Kuopio, 20° at Haparanda, and 22° at Uleaborg and St. Petersburg; below the freezing point in many parts of Russia and Scandinavia, and considerably below 40° over the northern and central parts of Great Britain. Rising during day to 50° or a little more at several of the English and Irish stations, to 55° or more in France, and to between 60° and 70° over southern Europe generally, the highest reading of all being 73° at Palermo.

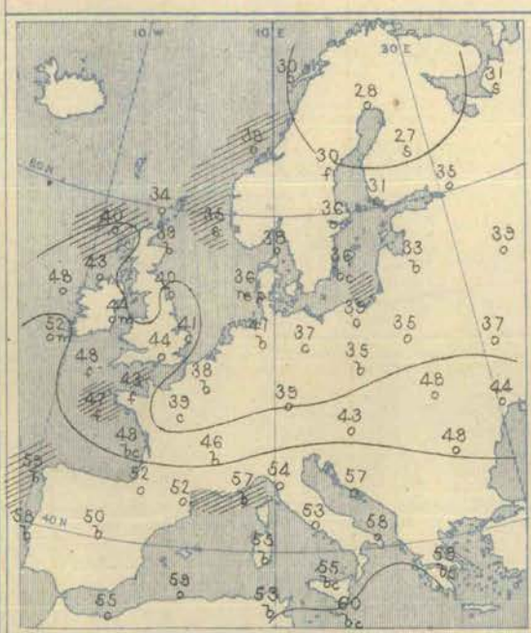
Wind moderate to fresh from the Northward or North-Westward in the northern and eastern parts of Great Britain, and from the North-Eastward in the north of Ireland, Westerly in the south of our Islands and over France. Strong to a gale from the Westward or North-Westward over Denmark and the south of Norway, and from the South-Westward or South-ward over the Baltic, but Easterly in the north of Scandinavia. Light to moderate from the South-Westward in Germany; Southerly or South-Easterly in Russia and also in Italy. Northerly or North-Easterly over the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·0 ins. and upwards in an anticyclone over the Black Sea and the extreme south of Russia, and also in a small system over central Spain. Lowest, 28·6 ins. and less in two areas, one lying off the west of Norway and the other over the south of Scandinavia, with its centre a little to the north-eastward of Christiania. Depression subsequently filling up slowly, but well-marked secondary disturbance travelling south-eastwards across England.

Monday, 8th April.

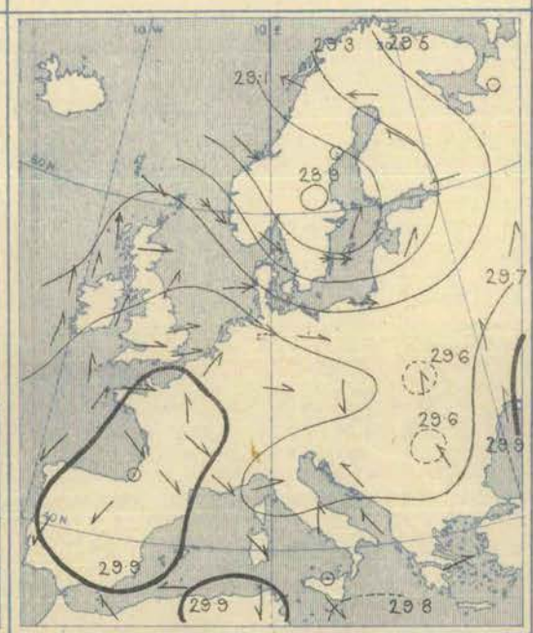
Temperature and Weather.

8 a.m.

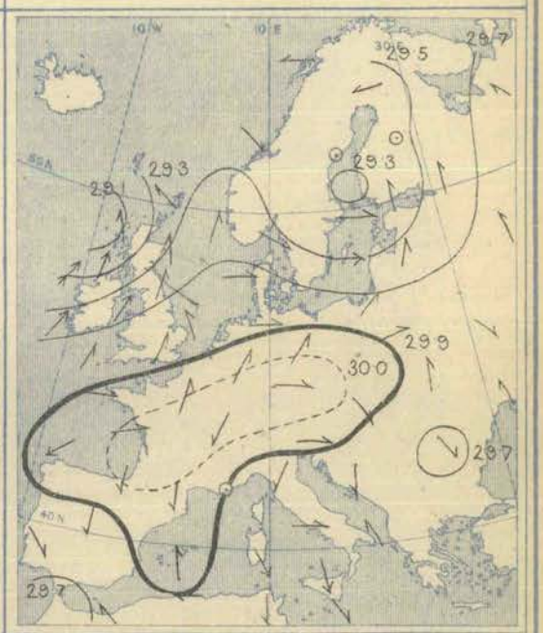


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the eastern and southern parts of Great Britain generally, but foggy over the western parts of the English Channel. Fine over the Netherlands, France, the Mediterranean, and the Spanish Peninsula, but cloudy in most of the northern, eastern, and central countries of Europe, with snow at Archangel, Kuopio, and Skudesnaes. Rain setting in later over Scotland and the north of Ireland, and fog spreading to the eastern parts of the English Channel. Lunar rainbow seen at Nairn.

Temperature risen quickly in Russia and slightly over northern and north-western Europe generally; fallen in most other regions. Morning readings highest, 63° at Barcelona, 61° at Patras and Sfax, and 60° at Malta; above 55° at most of the Mediterranean and Adriatic stations. Lowest, 27° at Kuopio, 28° at Haparanda and Uleaborg, and 30° at Hernösand and Helsingfors; below 40° over the northern and central parts of our Islands and the Continent generally. Rising during day to 55° or more at several of the English and Irish stations, and reaching 61° at Parsonstown; exceeding 70° in Spain and southern Italy, and reaching 79° at Palermo.

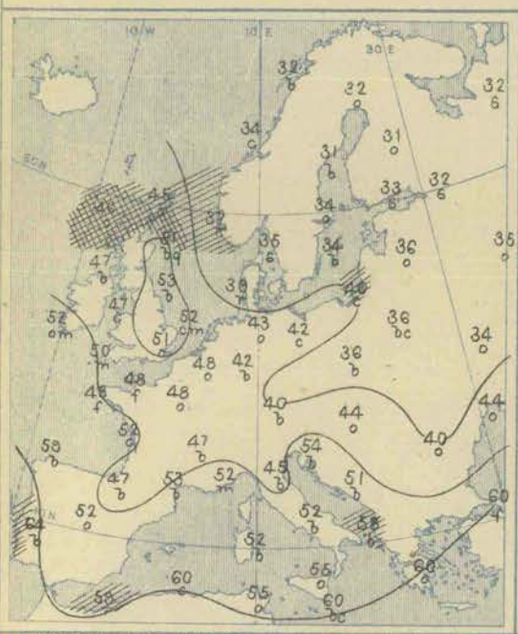
Wind Southerly or South-Westerly in the western parts of our Islands and strong in force in the Hebrides; light from the Westward on our eastern coasts. Strong to a gale from the Westward or North-Westward over Norway, Denmark, and north Germany; Southerly over Finland and the Baltic Provinces. Easterly in the north of Scandinavia. Northerly or North-Easterly over the Spanish Peninsula, North-Westerly in the south of France. Southerly in Italy and also in the south of Russia. Subsequently backing to the Southward or South-Westward in all parts of the United Kingdom, and increasing to a strong gale on our north and north-west coasts. Wind subsiding in Norway and Denmark.

Barometer highest, 29·9 ins. and upwards in an anticyclone over France and Spain, and also in another system over the south of Russia. Lowest, 29·0 ins. and less in a rather deep depression over the southern parts of Sweden; 29·5 ins. and less in another disturbance approaching our extreme north-west coasts, 29·6 ins. and less in two shallow systems over Poland and Austria. Deep depression appearing later off the west of Scotland, and barometer falling quickly on our northern coasts.

Wyman & Sons, Lt.Lith. 63, Carter Lane

Tuesday, 9th April.

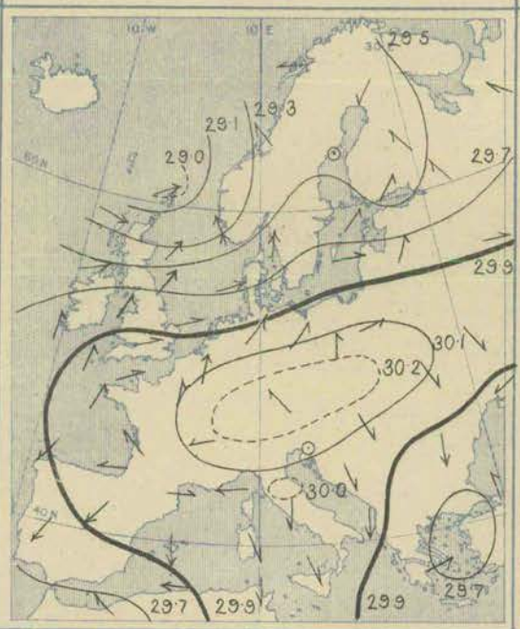
Temperature and Weather. 8 a.m.

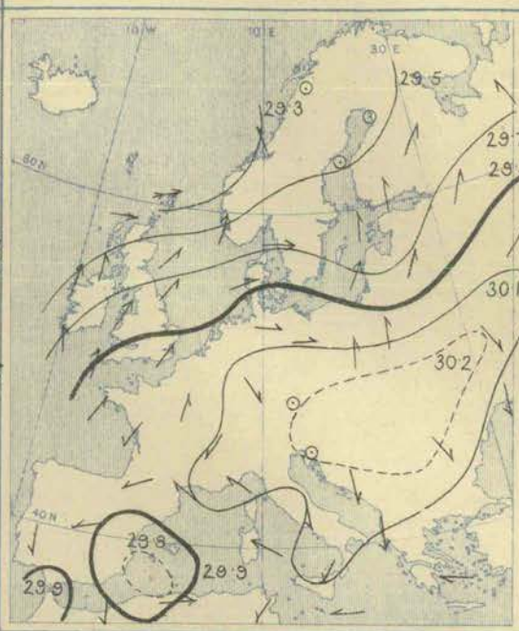


Weather in morning fair or fine over western, central, and southern Europe generally, but dense fog reported over the English and Bristol Channels, as well as of the north-west of France. Rain and snow falling over Denmark and the south of Norway; weather dull in Russia, with snow at several of the northern stations. Fog in Channels subsequently becoming less dense; rain falling in evening or night over Ireland and the west and north of Scotland, and large quantities at some of the Spanish stations.

Temperature fallen at many stations in central and southern Europe, but risen elsewhere, quickly over Great Britain. Morning readings highest, 64° at Lisbon, and 62° at Barcelona and Palma, and above 55° at the Mediterranean and Spanish coast stations generally, and slightly above 50° in many parts of the United Kingdom. Lowest, 28° at Ulcaborg, 31° at Hernösand and Kuopio, and 32° at Archangel, St. Petersburg, and Faerder; below 40° over northern Europe generally, as well as in eastern Germany. Rising during day to 60° and upwards in many parts of England, and to 65° or more over France and southern Europe generally, the highest reading of all being 79° at Oporto.

Barometer and Wind. 8 a.m. and 6 p.m.



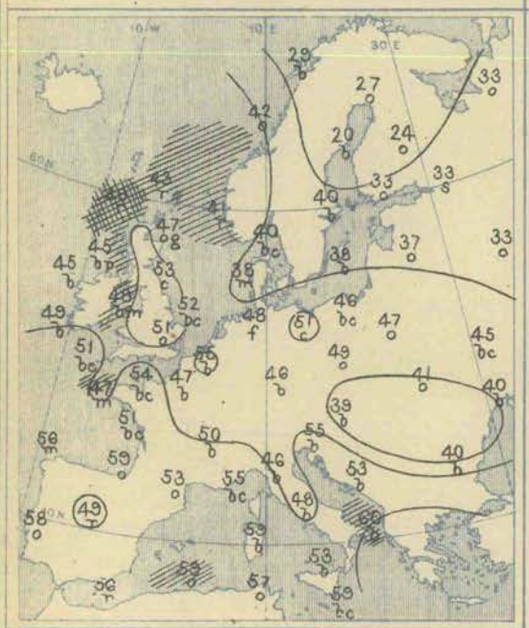


Wind strong to a gale from the West in the north of Scotland, and from the Southward in the south of Norway; moderate to strong from the South-Westward over England, Ireland, the Netherlands, Denmark, north Germany, and the Baltic. Light from the South-Eastward or Eastward over the northern parts of Russia and Scandinavia. Northerly over Italy and Austria; North-Easterly over the Spanish Peninsula; Easterly over the southern parts of France. Subsequently backing to the Southward in Ireland and increasing to a gale in the extreme west; no important change occurring elsewhere.

Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone lying over central Europe. Lowest, 29·0 ins. and less in a rather deep depression having its centre to the northward of the Shetlands; 29·7 ins. and less in a shallow system over the Grecian Archipelago, and also in another area over Morocco. Depression off Scotch coasts subsequently passing away to the northward, but new disturbance approaching Ireland from the south-westward. Low pressure system over Morocco, advancing north-eastwards to the south-east of Spain.

Wednesday, 10th April.

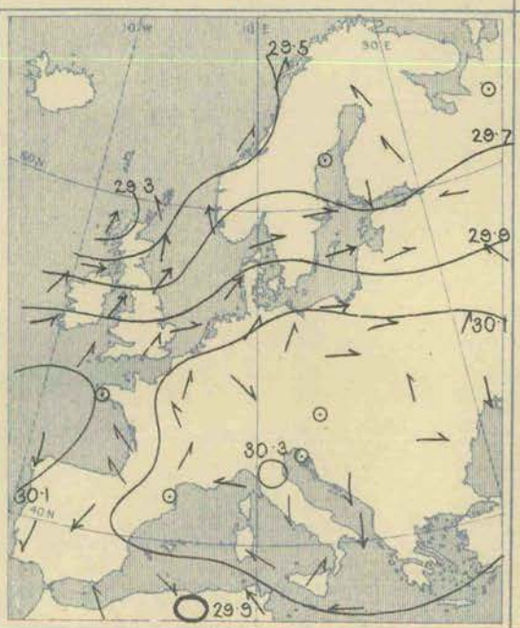
Temperature and Weather. 8 a.m.

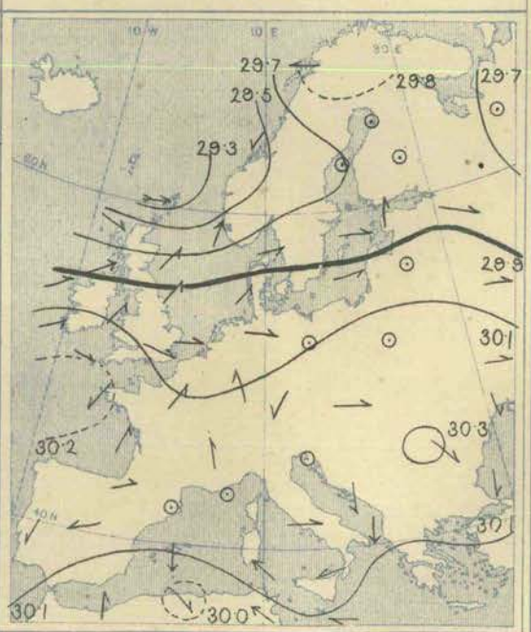


Weather in morning fair or fine over the greater part of our Islands, but dull in the south of England, and rainy in the Shetlands and Hebrides. Fine and bright over Sweden, Austria, Italy, the southern parts of Germany and Russia, and the greater part of France; dull in Norway and northern Russia, with rain at Skudesnaes and snow at St. Petersburg; rainy at several of the Spanish stations. Sky clearing later over the southern parts of England; no important change occurring elsewhere.

Temperature changed very irregularly. Morning readings highest, 64° at Sfax, 60° at Brindisi, and 59° at Biarritz, Oporto, Malta, and Algiers; above 55° at most of the Mediterranean stations, and above 50° over the eastern and central parts of Great Britain. Lowest, 20° at Hernösand, 24° at Kuopio, 27° at Haparanda, and 28° at Ulcaborg; below 40° in most parts of Sweden and Russia. Rising during day to 55° and upwards in most parts of the United Kingdom, and to between 60° and 65° over the central and southern parts of England; exceeding 70° at several of the French, Spanish, and Italian stations, the highest reading of all being 78° at Clermont.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind South-Westerly over Ireland, England, the Netherlands, Denmark, and north Germany, but Southerly in Scotland, and also on the Norwegian coasts; strong in force in many places, with a gale on some parts of our own north-west coasts. Light from the South-Eastward over the greater part of France; moderate from the Northward in Italy, and from the North-Eastward in Spain. Calm in Austria, light from the Northward on the south of Russia. Subsequently veering to the Westward on our western and northern coasts, and increasing to a gale in the Shetlands. Shifting to the Eastward at several of the Italian stations.

Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone covering the greater parts of central, southern and south-eastern Europe. Lowest, 29·3 ins. and less in a depression lying off the north-west of Scotland. Depression subsequently travelling away in an east-north-easterly direction; barometer rising briskly over our Islands and a new anticyclone appearing off our extreme south-west coasts.

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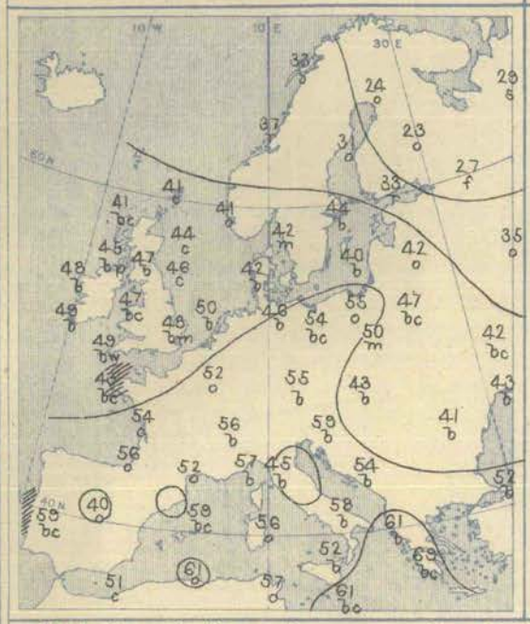
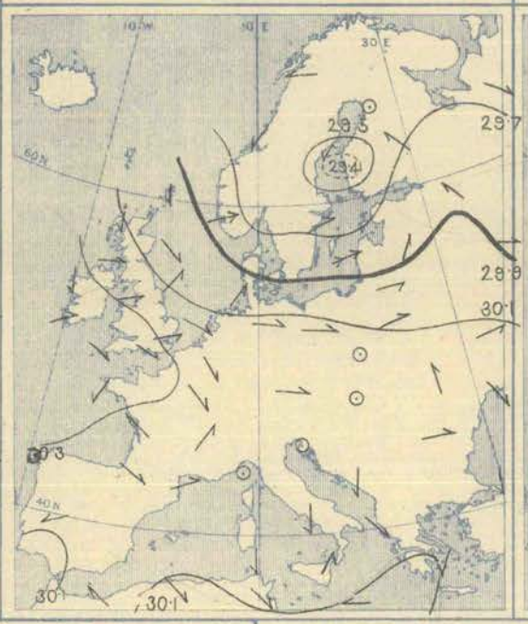
Thursday, 11th April.

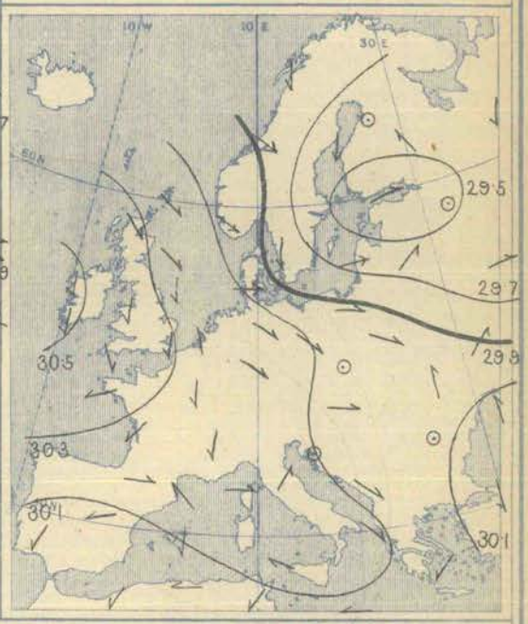
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but misty at the English Channel stations and dull in several parts of France. Dull over the northern parts of Sweden and Russia, with rain over the Gulf of Finland, and with snow at Archangel. Rain or hail falling later over the northern parts of the United Kingdom, as well as at some of the Scandinavian stations; thunder heard at Shields. Bright aurora seen in the west and north of our Islands at night.

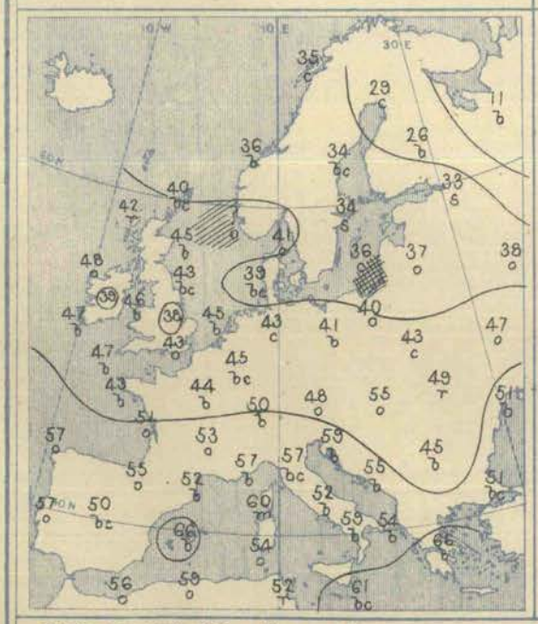
Temperature fallen in our Islands but risen at most of the Continental stations. Morning readings highest, 69° at Patras, 64° at Barcelona, and 62° at Sfax; above 55° at the Mediterranean and Spanish coast stations, generally. Lowest, 23° at Kuopio, 24° at Haparanda and Uleaborg, and 27° at St. Petersburg; below 40° in most parts of Russia and Scandinavia. Rising during day to between 55° and 60° in many parts of Great Britain, and reaching 62° in London; exceeding 60° in France, and exceeding 70° over a considerable portion of southern Europe, the highest reading of all being 75° at Lyons, Marseilles, and Florence. Frost occurring at night over the central parts of England and Ireland.

Wind Northerly in the north of Scotland, but Westerly or South-Westerly in all the more central parts of our Islands, as well as over Denmark, the Baltic, and the south of Scandinavia; light or moderate in force generally, but blowing a gale at Wisby. Light from the South-Eastward in Finland; Easterly or North-Easterly in the west of Norway. Light from North-West or North over the south of England and the north of France; variable in the south of France, and also in Austria; Northerly in Italy; North-Easterly or Easterly in Spain. Subsequently veering to the North-Westward or Northward in all but the extreme south-eastern parts of our Islands, as well as on the Norwegian coasts.

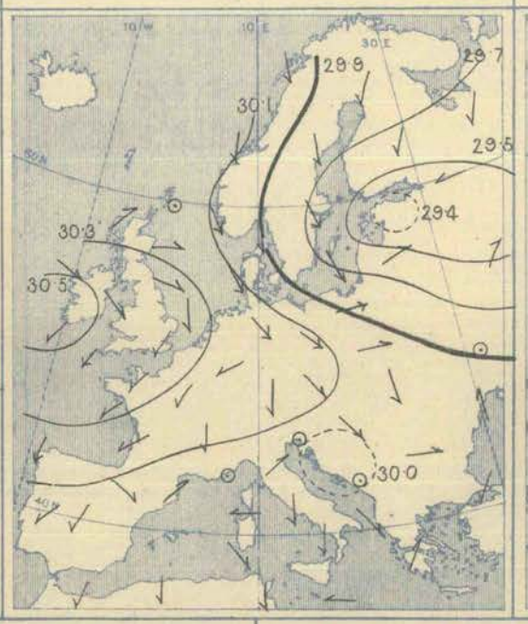
Barometer highest, 30·3 ins. and upwards over the south-western and southern parts of our Islands and the north-west of France; 30·1 ins. and upwards in an anticyclone covering nearly the whole of western, central and southern Europe. Lowest, 29·4 ins. and less in a well marked depression over the Gulf of Bothnia. Depression subsequently moving slowly eastwards, and partially filling up; barometer rising steadily in all the more western countries.

Friday, 12th April.

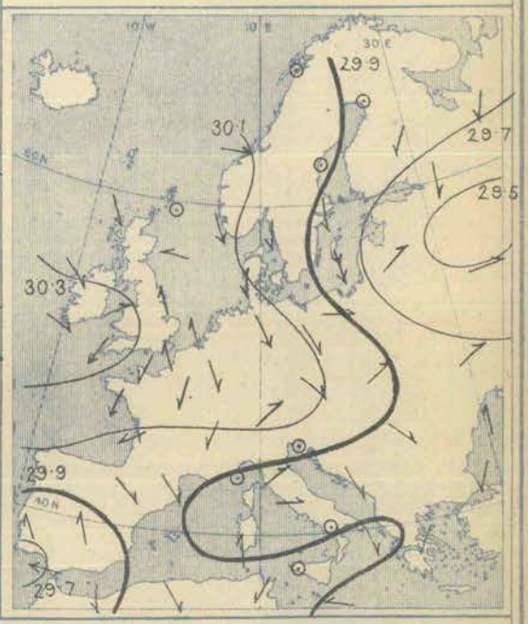
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull in places, and rainy or showery on our own extreme north-west coasts. Dull and unsettled over the Baltic, the south of Sweden, the western and central parts of Russia, and north-eastern Austria, with rain in many places, and with snow at at Carlstadt, Stockholm and St. Petersburg. A little rain falling later at several of our own northern and north-western stations, as well as in Sweden.

Temperature fallen in most of the western and central countries, but risen in Italy, Austria, and Russia. Morning readings highest 66° at Patras, 64° at Barcelona, 62° at Palma, and 61° at Malta; above 55° at most of the Mediterranean and Spanish coast stations. Lowest, 11° at Archangel, 26° at Kuopio, 29° at Uleaborg, and 30° at Haparanda; below 40° over northern Europe generally, as well as in the central parts of England and Ireland. Rising during day to between 50° and 55° in most parts of the United Kingdom, and to 60°, or more, in France; exceeding 70° in many parts of southern Europe, and reaching 84° at Malta. Ground frost occurring at night at the inland English stations.

Wind light from the Westward or North-Westward over the northern parts of our Islands generally, but South-Westerly at Stornoway; Northerly or North-Easterly on our southern coasts; North-Easterly over France and the Spanish Peninsula. Light from the Northward or North-Eastward over the northern parts of Scandinavia and Russia. Strong from the North-Westward or Westward over Denmark, the Baltic, and the south of Scandinavia; light from the South-Westward over the southern parts of Russia. Variable in Austria, Italy, and Greece. Subsequently shifting to the Northward at Stornoway, and to the South-Eastward over the eastern and south-eastern parts of Great Britain.

Barometer highest, 30·5 ins. and upwards over the southern parts of Ireland. Lowest, 29·4 ins. in a depression over the Gulf of Finland, 30·0 ins. and less in a shallow system over southern Austria and the neighbouring provinces. Small shallow depressions appearing later over our extreme north and north-west coasts, and barometer falling steadily over our Islands and France generally. Depression over Gulf of Finland moving on to central Russia.

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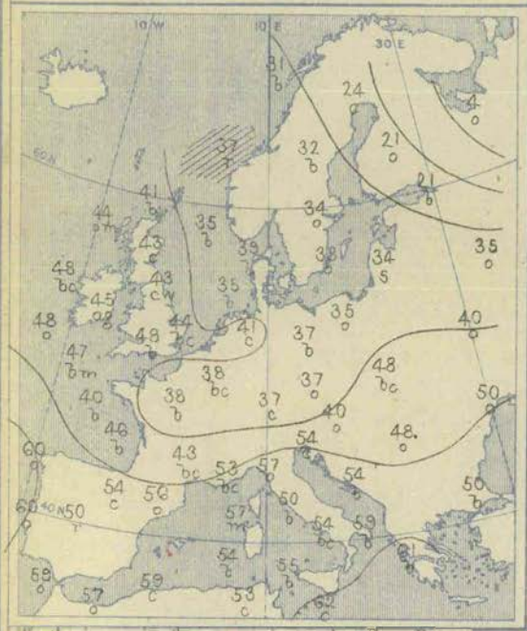
Saturday, 13th April.

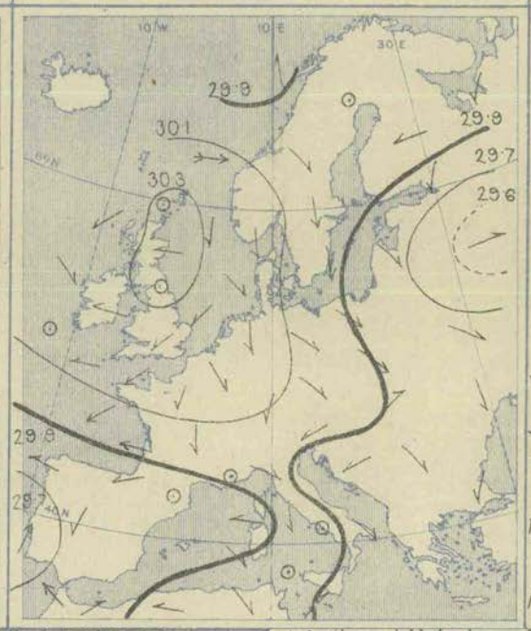
Temperature and Weather. 8 a.m.

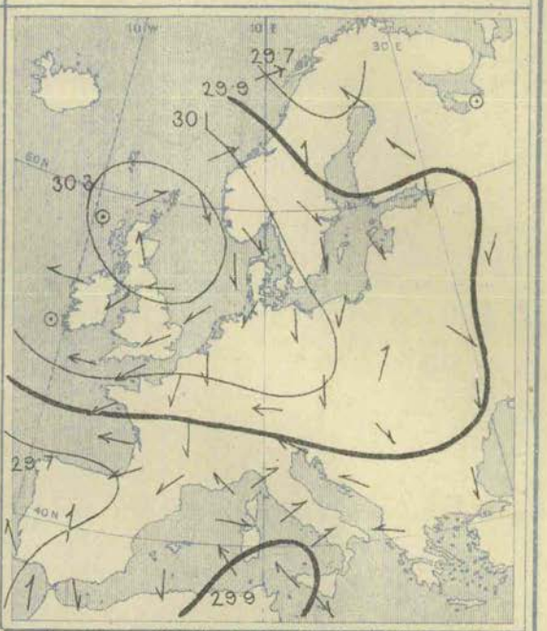


Weather in morning fine over western and southern Europe generally, but dull in Ireland and the east of Scotland, as well as over the Spanish Peninsula, with rain at Madrid. Dull over Russia, Austria, eastern Germany, the Baltic, and the south of Sweden, with snow at Riga; rain falling at Christiansund. Sky clearing later in all parts of our Islands, and weather remaining dry over the western countries generally. Heavy rain falling at Lisbon.

Temperature changed very irregularly in our Islands and also over southern Europe, but fallen elsewhere. Morning readings highest, 63° at Sfax, 62° at Malta, and 61° at Athens and Patras; above 55° at several of the Mediterranean and Spanish coast stations. Lowest, 4° at Archangel, 21° at Knopio and St. Petersburg, 27° at Helsingfors, and 28° at Hangö; below 40° over northern and central Europe generally, and also over central England. Rising during day to 55°, or a little more, in several parts of Ireland and England, and to between 65° and 70° over southern Europe generally; reaching 73° at Tolouse and Palermo. Frost occurring at night over the northern and central parts of Great Britain.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind rather variable in the north and east of our Islands, but light to moderate from the Eastward on our western and southern coasts, and fresh to strong from the same quarter over the Bay of Biscay. Varying between West and South in the west of Norway, with a gale at Christiansund. Light from the North-Eastward over northern Russia; moderate to strong from the Northward or North-Westward over Denmark, Germany, and the south of Scandinavia. Variable in Italy; Southerly or South-Easterly over the southern part of the Spanish Peninsula. Easterly wind subsequently blowing strongly over the western part of the English Channel.

Barometer highest, 30·3 ins. and upwards over the north-eastern parts of Great Britain and the northern part of the North Sea; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of north-western and central Europe. Lowest, 29·6 ins. and less in a depression over central Russia; 29·7 ins and less in another disturbance off the Portuguese coasts; 29·9 ins. and less in a third system off the north-west of Norway. Portuguese depression subsequently moving north-eastward, and barometer falling rather decidedly in France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast: m = misty (hazy); f = foggy; q = squally: r = rain; h = hail: s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the earlier part of this week pressure was low generally, but especially over the northern countries, where all readings were much below 29 ins., while rather deep depressions were observed over Scandinavia and subsequently off the north of Scotland. Gradually, however, the pressure increased, and, by Tuesday morning, a well-marked anticyclone lay over central Europe: it was, however, of short duration, and Thursday found the whole system dispersing and moving away to the eastward.

A new anticyclone now advanced over the British Islands from the westward; its maximum readings exceeded 30·3 ins., and it was this system which was the dominant factor in the weather during the remainder of the week. The wind was cold and very dry over our Islands and north-western Europe, and, at the close of the week, the Easterly current over out southern countries and France was freshening.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 86.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	45·7	?	48	?	EASTBOURNE	38·4	?	41	?
OSWALDKIRK (Yorkshire)	50·6	?	54	?	MANCHESTER (Oldham Road)				?
WORKSOP	47·9	+21·1	51	+21	TENBY	47·6*	?	51*	?
THURCASTON (Leicestershire)	49·9	+23·9	53	+26	NEWQUAY	55·5	?	60	?
MARGATE	42·9	?	46	?	TORQUAY	52·3*	?	56*	?
WESTBOURNE (Sussex)	43·0*	?	46*	?	ARLEY COTTAGE (County Cavan)	28·1	?	30	?
BRIGHTON	37·2	?	40	?	GUERNSEY	55·8*	?	60*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt.d, Lith, 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 16.] *Third Series.* WEEK ENDING SATURDAY, APRIL 20TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 92.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	29	53·7	37·3	45·1	2 above	41	+18	13	- 5	106	- 39	805	+305
	1. SCOTLAND, EAST	61	25	52·5	34·4	43·0	1 below	39	+ 8	21	+ 5	129	- 89	972	+435
	2. ENGLAND, N.E.	63	28	52·0	37·5	44·4	0 (average)	36	+ 8	13	+ 3	170	- 42	781	+299
	3. ENGLAND, EAST	66	27	56·6	38·0	46·9	1 above	51	+12	11	- 2	223	- 41	848	+306
	4. MIDLAND COUNTIES	64	27	58·0	38·1	47·6	2 above	56	+16	11	- 3	226	- 64	925	+393
	5. ENGLAND, SOUTH	67	33	57·9	40·9	48·6	2 above	51	+ 7	3	- 5	213	- 98	751	+342
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	63	27	56·2	38·5	46·9	2 above	49	+16	10	+ 1	156	- 64	773	+382
	7. ENGLAND, N.W.	64	31	55·7	39·3	47·1	1 above	47	+12	3	- 2	153	- 69	725*	+321
	8. ENGLAND, S.W.	66	32	55·9	41·0	48·1	2 above	47	+ 8	3	- 4	217	-105	653	+345
	9. IRELAND, NORTH	68	31	56·4	40·4	48·0	2 above	49	+12	4	- 6	196	-106	633*	+245
	10. IRELAND, SOUTH	62	36	55·8	42·3	48·7	1 above	47	+ 6	0	- 8	247	-146	475	+202
	—CHANNEL ISLANDS	62	40	53·5	43·7	48·4	0 (average)	45	+ 2	0	- 1	271	-137	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 92.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	1	5 less	73	- 4	12·5	- 4·2	48	+ 8	48	+ 9	287	+ 25	28	+ 2
	1. SCOTLAND EAST	1	1	4 less	57	- 4	7·1	- 1·9	42	+11	42	+11	297	+ 17	30	+ 1
	2. ENGLAND, N.E.	1	1	4 less	63	+ 6	7·8	+ 0·9	45	+11	46	+12	354	+ 63	39	+ 6
	3. ENGLAND, EAST	2	1	3 less	59	+ 3	6·1	- 0·6	43	+ 3	44	+ 3	364	+ 35	32	+ 3
	4. MIDLAND COUNTIES	3	4	1 less	70	- 4	6·1	- 1·7	48	+16	50	+17	342	+ 47	29	+ 4
	5. ENGLAND, SOUTH	3	2	2 less	47	- 6	5·4	- 2·6	49	+11	51	+12	385	+ 29	30	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	2	4 less	60	- 5	8·0	- 8·2	44	+ 6	45	+ 7	329	+ 29	28	+ 2
	7. ENGLAND, N.W.	3	3	1 less	55	- 5	7·6	- 1·3	43	+17	49	+18	286*	+ 47	29	+ 5
	8. ENGLAND, S.W.	3	4	2 less	53	- 8	9·0	- 3·1	42	+ 2	43	+ 2	437	+ 66	36	+ 5
	9. IRELAND, NORTH	3	3	2 less	68	0	8·7	- 1·6	41	+ 9	42	+10	318	+ 27	28	+ 2
	10. IRELAND, SOUTH	3	5	1 less	57	- 6	10·4	- 2·0	38	- 1	29	- 1	352	- 8	30	0
	—CHANNEL ISLANDS	5	5	0 (average)	64	- 3	8·2	- 2·0	41	+ 4	43	+ 4	476	+ 78	43	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was generally fine and bright, but, during the latter part of the week, some slight falls of rain were experienced in most districts, and a considerable fall in the south and west of Ireland.

Temperature was a little above the mean over the Kingdom as a whole, but was rather below it in Scotland E., and just equal to it in England N.E. and the Channel Islands. The highest of the maxima occurred during the latter half of the week, when the thermometer rose to between 61° and 66° in Scotland, to between 62° and 68° over Ireland, and to between 63° and 67° over England. The lowest of the minima were recorded during the earlier days of the period, and ranged from 25° in Scotland E. and 27° in Scotland W. and over central and eastern England, to 36° in Ireland S., and to 40° in the Channel Islands.

Rainfall just equalled the mean in the Channel Islands, but was less in all other parts of the Kingdom, the fall being especially slight in the northern and eastern districts.

Bright Sunshine exceeded the mean in all districts excepting Ireland S. The percentage of the possible duration ranged from 51 in England S., 50 in the Midland Counties, and 49 in England N.W., to 39 in Ireland S.

Barometer and Wind.—At the commencement of the period a well-defined anticyclone lay over our Islands, causing very keen Easterly winds, especially in the southern districts. As the week progressed, however, some low pressure systems reached our south-western and western coasts from the Atlantic, the anticyclone moved away north-eastwards, and the wind gradually shifted to the Southward and South-Westward, with much higher temperatures and more humid air.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 91 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	54	34	47·9	37·6	42·5	+ 1·0	22	12	0	—	−0·48	*	*	*	*
	Stornoway	56	34	52·6	37·4	44·9	+ 1·8	38	11	3	0·14	−0·46	46·4	± 8·9	46	+ 9
	Wick	55	30	49·7	37·1	43·1	+ 0·1	28	14	1	0·08	−0·32	*	*	*	*
	Glencarron Ⓢ	66	33	60·7	36·5	48·0	+ 5·1	65	15	2	0·06	−0·91	*	*	*	*
	Fort Augustus Ⓢ	57	29	52·2	36·2	43·8	0·0	57	16	2	0·06	−0·43	? 46·0	?	? 46	?
	Fort William Ⓢ	63	32	59·3	38·6	48·5	+ 5·4	60	10	3	0·32	−0·48	52·8	?	53	?
1. SCOTLAND, E.	Nairn	59	27	54·4	33·0	43·2	− 1·1	46	25	2	0·02	−0·27	*	*	*	*
	Aberdeen	58	29	50·7	35·6	42·8	− 1·5	32	18	3	0·15	−0·35	44·9	+11·1	45	+11
	Braemar Ⓢ	59	25	53·1	28·3	40·1	− 0·9	31	52	1	0·15	−0·40	40·5†	?†	41†	?†
	Ochtertyre Ⓢ	61	29	58·1	37·0	47·1	+ 3·4	57	14	1	0·37	−0·18	*	*	*	*
	Leith	60	28	51·4	35·4	43·0	− 2·1	35	18	0	—	−0·38	*	*	*	*
	Marchmont Ⓢ	53	30	47·0	37·1	41·8	− 1·1	14	19	1	0·04	−0·53	42·8	?	43	?
2. ENGLAND, N.E.	Alnwick Castle	58	28	49·0	36·6	42·5	− 0·2	26	15	1	0·08	−0·46	*	*	*	*
	Durham	63	29	52·5	36·3	44·0	+ 0·1	38	16	1	0·03	−0·46	32·3	+ 5·6	33	+ 6
	Shields	62	34	50·3	26·4	43·0	− 1·0	31	16	1	0·15	−0·26	*	*	*	*
	Scarborough Ⓜ	63	35	53·4	38·2	45·4	+ 0·6	40	11	0	—	−0·47	*	*	*	*
	York	63	29	58·0	37·3	47·2	+ 1·6	56	13	3	0·23	−0·19	46·9	+15·9	48	+17
	Spurn Head	56	38	49·0	40·1	44·4	− 0·2	25	5	1	0·03	−0·31	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	66	30	58·0	37·7	47·4	+ 1·5	56	12	2	0·15	−0·27	37·1	+ 1·2	38	+ 3
	Yarmouth	58	35	49·9	40·7	45·1	+ 0·3	27	4	1	0·04	−0·36	*	*	*	*
	Geldeston	66	31	54·9	36·7	45·4	− 0·3	46	15	1	0·08	−0·32	38·7	0·0	40	0
	Cambridge	66	27	61·0	37·1	48·5	+ 1·8	66	14	3	0·16	−0·23	43·9	+ 8·4	45	+ 8
	Rothamsted	63	30	59·1	37·6	48·1	+ 2·6	61	12	4	0·18	−0·33	51·4	?	53	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	63	29	59·4	39·0	48·7	+ 2·7	60	8	2	0·47	+0·08	*	*	*	*
	Loughborough	64	29	58·3	38·0	47·7	+ 1·0	57	11	5	0·40	−0·03	*	*	*	*
	Stamford (Ketton Ha	63	31	56·6	37·1	46·4	− 0·5	51	14	3	0·28	−0·16	*	*	*	*
	Cheadle Ⓜ	60	30	57·2	37·1	46·7	+ 2·0	53	14	3	0·57	+0·07	*	*	*	*
	Solihull	60	29	56·2	37·8	46·6	+ 0·9	50	12	4	0·47	?	*	*	*	*
	Churchstoke Ⓜ	60	27	57·8	37·7	47·3	+ 2·8	55	12	3	0·27	−0·16	48·8	+15·8	51	+17
	Hereford Ⓜ	62	33	58·3	39·2	48·5	+ 2·0	57	8	4	0·19	−0·23	*	*	*	*
	Cirencester	61	32	58·0	38·1	47·6	+ 2·3	56	11	3	0·35	−0·17	52·9	+18·7	55	+19
	Oxford	62	32	59·6	39·1	48·9	+ 2·4	60	8	3	0·35	−0·08	50·9	+16·9	52	+18
5. ENGLAND, S.	London	67	35	61·0	40·3	50·2	+ 2·2	65	5	4	0·17	−0·27	42·7†	+11·7†	44†	+13†
	North Foreland	60	40	52·7	43·4	47·8	+ 2·0	41	0	2	0·05	?	*	*	*	*
	Strathfield Turgiss Ⓜ	66	31	60·4	38·5	48·9	+ 2·2	63	10	2	0·02	−0·40	*	*	*	*
	Dungeness	59	39	52·0	41·3	46·4	− 0·1	34	2	4	0·08	−0·32	*	*	*	*
	Hastings (St. Leonards)	63	36	54·7	41·3	47·7	+ 0·1	43	2	4	0·37	−0·09	46·7	+ 7·9	48	+ 7
	Southampton	66	35	61·5	41·7	51·1	+ 3·4	65	1	3	0·39	−0·12	54·7	+16·0	56	+16
	Hurst Castle	62	37	55·3	41·6	48·1	+ 1·4	44	1	2	0·28	−0·15	*	*	*	*
	Stowell Ⓜ	62	33	57·9	39·3	48·2	+ 2·0	55	8	5	0·39	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	63	36	59·3	41·0	49·7	+ 3·9	58	3	3	0·25	−0·65	*	*	*	*
	Glasgow	57	34	54·4	39·0	46·3	+ 1·6	43	8	2	0·09	−0·43	43·3	+11·8	44	+13
	Ardrossan	59	33	53·9	38·9	46·0	± 0·2	41	9	3	0·09	−0·43	*	*	*	*
	Glenlee Ⓢ	61	27	59·5	33·3	45·8	+ 2·1	63	24	3	0·38	−0·28	*	*	*	*
	Douglas (Isle of Man)	57	33	54·1	40·1	46·8	+ 1·5	42	5	4	0·23	−0·32	45·5	+ 2·1	46	+ 2
7. ENGLAND, N.W.	Stonyhurst	58	32	53·6	37·6	45·2	− 0·2	41	12	3	0·39	−0·16	46·6	+13·1	48	+14
	Blackpool Ⓜ	61	32	58·1	37·2	47·2	+ 1·3	57	13	2	0·47	+0·08	50·6	+15·0	52	+17
	Manchester (Prestwich)	59	31	55·1	38·0	46·1	+ 0·7	46	11	3	0·33	−0·13	44·6	?	46	?
	Liverpool Obsy. (Bidston)	60	35	57·6	40·0	48·4	+ 1·8	53	6	3	0·32	−0·05	*	*	*	*
	Llandudno Ⓜ	64	35	55·7	41·8	48·4	± 1·4	46	1	4	0·22	−0·21	56·3	+22·4	58	+23
	Holyhead	58	37	53·9	41·3	47·3	+ 0·5	40	2	3	0·30	−0·14	*	*	*	*
8. ENGLAND, S.W.	Llandovery	66	32	61·1	39·6	49·8	+ 4·3	65	7	2	0·36	−0·29	*	*	*	*
	Pembroke	57	37	52·1	41·0	46·3	0·0	34	3	2	0·34	−0·11	44·0	− 0·4	45	0
	Bristol (Montpelier)	63	34	59·7	40·6	49·7	+ 2·8	60	4	3	0·64	+0·10	*	*	*	*
	Arlington (N. Devon)	63	32	56·6	38·9	47·3	+ 2·2	50	9	3	0·27	−0·40	*	*	*	*
	Cullompton Ⓜ	64	34	58·9	41·0	49·5	+ 3·0	57	3	2	0·23	−0·38	38·1	+ 3·6	39	+ 4
	Falmouth	58	41	52·5	42·8	47·4	− 0·2	37	0	3	0·47	−0·23	37·8	− 3·5	39	− 4
	Plymouth	60	37	55·0	43·0	48·7	+ 0·1	47	0	5	0·47	−0·07	45·9	+ 5·6	48	+ 7
	Prawle Point	55	37	51·1	40·9	45·8	− 0·5	31	3	4	0·49	+0·01	*	*	*	*
9. IRELAND, N.	Malin Head	56	39	51·3	42·4	46·6	+ 0·5	32	0	3	0·30	?	*	*	*	*
	Londonderry	68	35	60·9	44·1	50·0	+ 3·1	64	5	3	0·10	−0·42	*	*	*	*
	Edenfel (Omagh)	60	34	57·3	41·0	48·8	+ 3·3	52	3	4	0·47	−0·04	*	*	*	*
	Belmullet	60	40	56·6	44·1	50·1	+ 2·5	57	0	2	0·64	?	*	*	*	*
	Markree Castle	62	32	59·4	39·4	48·9	+ 3·1	59	7	1	0·15	−0·43	47·6	+11·4	49	+12
	Brookeborough	60	32	58·0	39·5	48·3	+ 3·4	55	7	2	0·42	−0·16	*	*	*	*
	Armagh	57	31	55·5	38·4	46·5	+ 1·0	47	10	4	0·20	−0·30	39·6	+ 6·1	40	+ 7
	Donaghadee	58	38	53·0	40·7	46·6	+ 1·0	38	4	2	0·22	−0·23	*	*	*	*
	Edgeworthstown	57	33	55·8	37·9	46·4	+ 1·5	48	11	2	0·20	−0·34	*	*	*	*
10. IRELAND, S.	Dublin	59	38	54·0	42·9	48·2	+ 1·9	43	0	2	0·06	−0·41	40·0	+ 0·6	41	+ 1
	Parsonstown	62	36	58·7	40·4	49·1	+ 2·9	56	4	3	0·14	−0·34	36·6	− 1·2	38	− 1
	Kilkenny	59	38	56·3	41·9	48·8	+ 2·1	48	0	4	0·43	−0·08	*	*	*	*
	Roche's Point	56	40	52·9	43·4	47·9	− 0·1	41	0	3	0·51	−0·26	*	*	*	*
	Valencia	60	40	56·3	43·9	49·8	+ 1·5	55	0	3	1·20	+0·30	36·8	− 4·2	38	− 4
	Killarney	58	36	56·2	41·0	48·2	+ 0·3	48	3	5	0·99	?	*	*	*	*
	Foynes	59	37	56·2	42·5	49·0	+ 1·8	49	0	4	0·39	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	55	42	51·4	43·7	47·4	− 1·2	38	0	5	0·34	−0·20	28·2	?	29	?
	Jersey	62	40	55·6	43·7	49·4	+ 0·4	52	0	5	0·67	+0·18	48·7	+ 3·7	51	+ 4

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

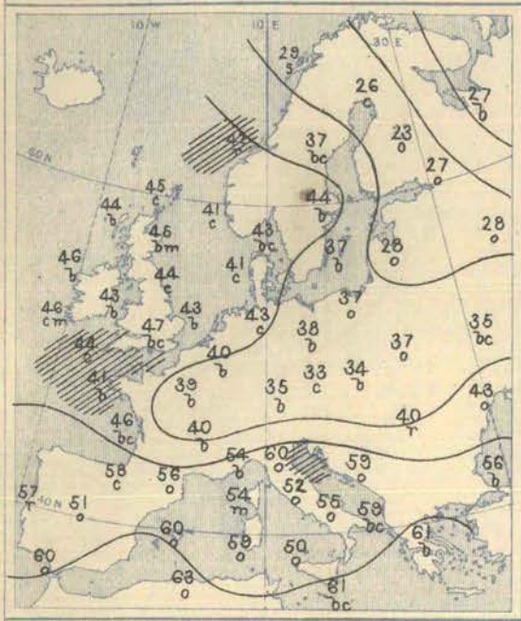
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

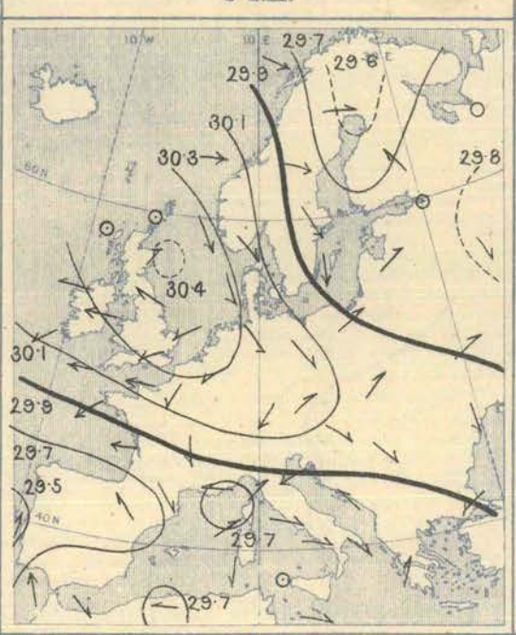
ERRATUM.—For the week ending December 29th, 1894, the "Difference from the Mean Temperature" at Blackpool should read "+5·9" instead of "+1·9."

Sunday, 14th April.

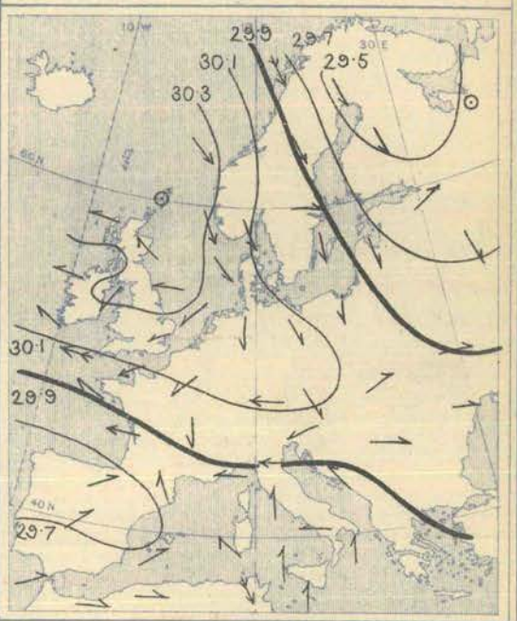
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the British Islands and nearly the whole of north-western Europe, air very dry and keen; less fair over Russia, with snow in the Baltic Provinces, unsettled over the Mediterranean, rainy over Algeria. Rain falling later over southern France and many parts of Italy, the amounts exceeding 0·6 in. in several places, smaller quantities reported from Tunis.

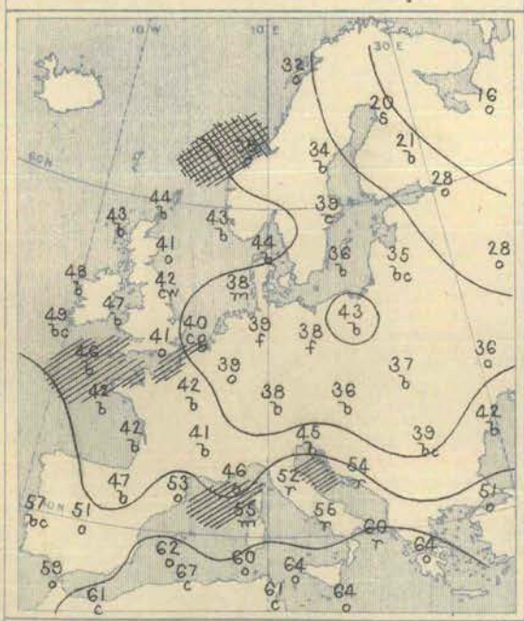
Temperature low for time of year. Morning readings highest, above 60° at several stations on the southern and western sides of the Mediterranean (63° at Algiers); and exceeding 50° over southern Europe as a whole: below 45° over the greater part of the British Islands and their neighbourhood. Lowest, 7° Fahr. at Archangel, 22° at St. Petersburg, and below 30° over the northern half of Russia generally; 37° at Copenhagen, 39° at Paris. Rising later to 86° at Sfax, to 70° or more at all Algerian stations and in the south of Italy, but not touching 55° over the British Isles.

Wind (1) Westerly to North-Westerly and very strong over Scandinavia, but South-Westerly to South-Easterly, light, over Finland and the Baltic Provinces; (2) anticyclonic over the North Sea and northern parts of our Islands, but strong from Eastward over the Channel and south of England (a gale in Devon and Cornwall), fresh, North-Easterly, over France, and Easterly over the Bay of Biscay; (3) North-Westerly to Westerly over central and southern Europe, very variable over the Mediterranean. Strong from East over the Riviera later, little change elsewhere.

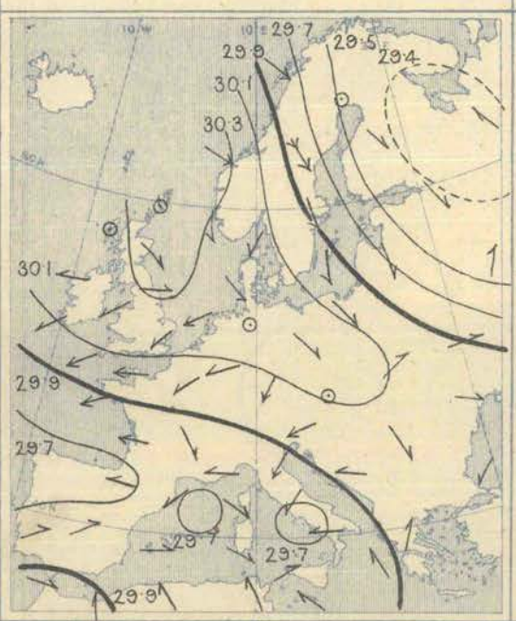
Barometer highest, 30·4 to 30·2 ins. in a large anticyclone covering the North Sea and the neighbouring countries, and stretching in the form of a ridge across central Europe to the south-west of Russia. Lowest, (1) below 29·6 ins. in a "V" shaped disturbance over Lapland and Finland; (2) below 29·7 ins. ins. in a very irregularly shaped and shallow disturbance over the Mediterranean; (3) below 29·5 ins. in another system approaching Portugal from the westward. Latter system moving north-eastwards later.

Monday, 15th April.

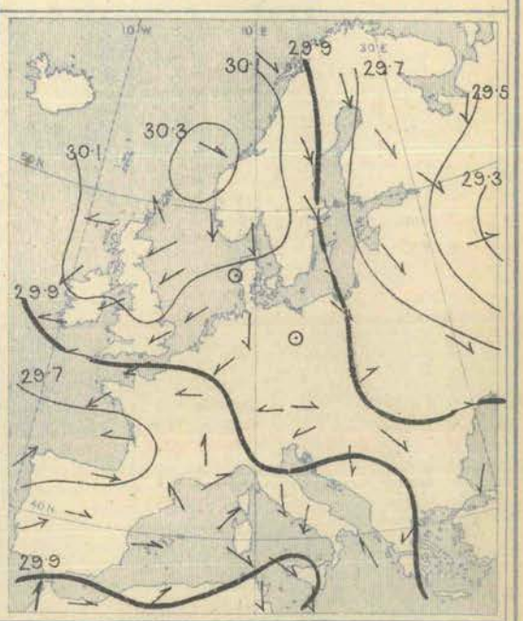
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over western and central Europe generally, dull and unsettled over the Mediterranean, Italy, and south of France, with rain in many places. Very variable over northern Europe, with snow at Haparanda and Ulcaborg. Considerable rain over the Azores and south-western Europe later, with thunder and lightning in places; weather remaining fine over north-western Europe as a whole, but wet fog prevalent on our north-east coasts, and considerable rain at some of the southern French stations, at Lisbon, and Madeira.

Temperature in morning highest, 67° at Algiers, and exceeding 60° on the southern shores of the Mediterranean generally; 57° at Lisbon, 49° at Valencia (Ireland), and also at Florence. Lowest, 16° Fahr. at Archangel, 20° at Ulcaborg, 28° at Moscow and St. Petersburg, 35° at Riga and Berlin, 39° at Christiansund and Cuxhaven, 41° at Lyons. Rising later to 70° and more at several of the Mediterranean stations, to 60° and more in France and the south of Ireland, and to 55° or more in several parts of England. Succeeding night very cold over the north-eastern parts of Great Britain.

Wind (1) North-Westerly to Northerly, strong to a gale, over the northern parts of Scandinavia, Finland, and the Gulf of Bothnia, light, Westerly, over central Europe and the south of Russia; (2) calm in Scotland, north-Easterly to Easterly over England and France (strong at the Channel stations), Easterly, strong, over the Bay of Biscay; (3) Westerly over Spain and the Azores, but moderate in force. The Westerly current spreading northwards later to the south-west of France, little change elsewhere.

Barometer highest, 30·3 ins. and more over Scotland and the west of Norway, and exceeding 30·0 ins. all over the British Islands, the North Sea, western and southern Germany. Lowest, (1) below 29·4 ins. in a large depression over the north of Russia (gradients steepest over Sweden and Finland); (2) below 29·7 ins. over the north of Spain, and below 29·6 ins. over the Azores. Falling decidedly later over western Europe and the British Islands, rising over Scandinavia.

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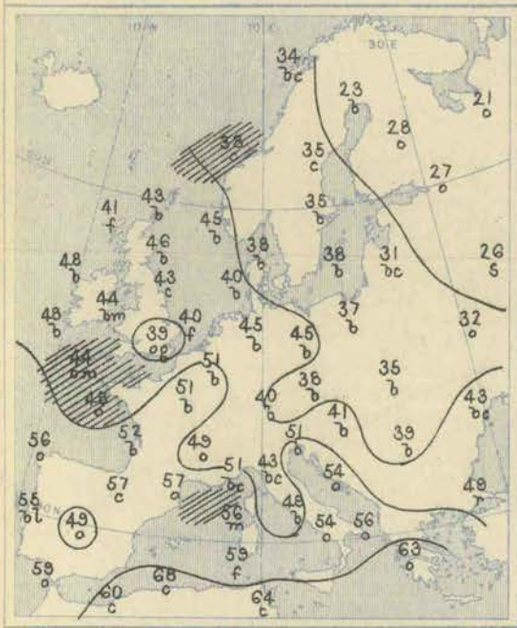
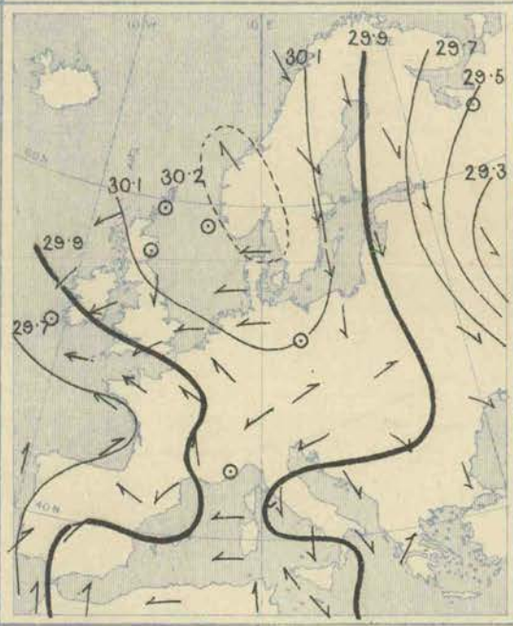
Tuesday, 16th April.

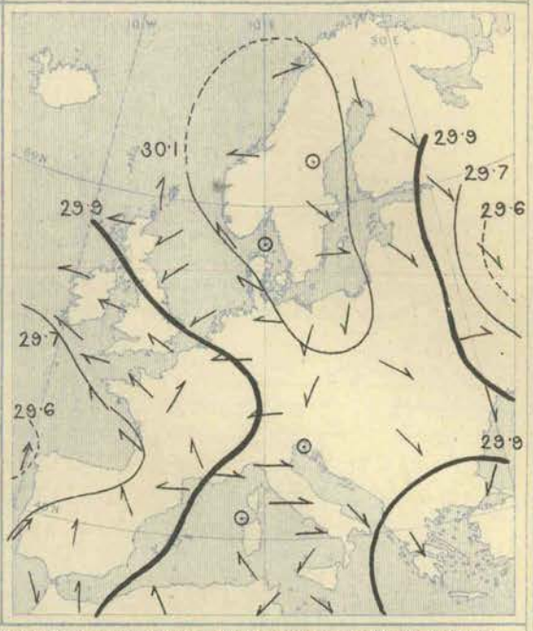
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning (1) fine and bright over Scandinavia, the North Sea, Denmark, and central Europe, as well as in several parts of Scotland and Ireland, very foggy off our south-east coasts and in Holland; (2) dull over Russia, with snow at the northern stations; (3) becoming changeable over many parts of England, unsettled, showery and thundery over the Iberian Peninsula and the Azores. Rain later at several French stations, and thunder in the south; some showers in the south and west of our Islands.

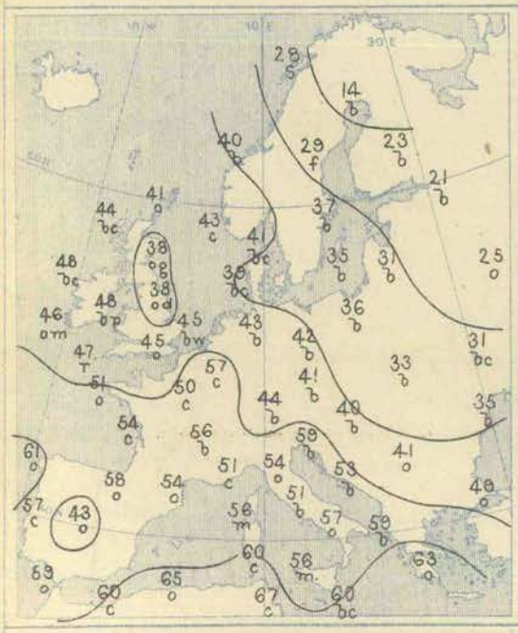
Temperature rising decidedly over France and central Europe. Morning readings highest, 68° at Algiers, and exceeding 60° at several stations on the southern and western sides of the Mediterranean, 56° at Brindisi and also at Corunna, but below 50° over the British Islands. Lowest, 21° Fahr. at Archangel, 26° at Moscow and Uleaborg, 28° at Kuopio and Hangö, 28° at Kharkov, and below 40° at the Baltic stations generally. Rising later to between 70° and 75° in several parts of France, and to between 60° and 64° over some of our own southern and eastern counties. Air becoming much softer than of late.

Wind (1) Northerly, strong and squally, over the eastern half of the Baltic, North-Westerly, moderate, over the southern half of Russia; (2) light to moderate and anticyclonic over Norway, Scotland, and the North Sea; (3) Easterly to North-Easterly, fresh to moderate, over England and Ireland, strong in the Channel; (4) Southerly and South-Westerly over the Iberian Peninsula, South-Westerly at Rochefort. The Easterly wind moderating in the Channel later, and veering somewhat towards South.

Barometer highest, 30·2 ins. and more over Norway, and exceeding 30·0 ins. all over Scandinavia, the North Sea, the western parts of the Baltic, and central Europe, also over Algeria. Lowest, 29·3 ins. in a large depression over central Russia, and below 29·7 ins. in another over the Bay of Biscay, Portugal, and neighbouring parts of the Atlantic (29·47 ins. at P. Delgada, Azores). Last-named depression moving northwards later, and barometer rising in the Azores.

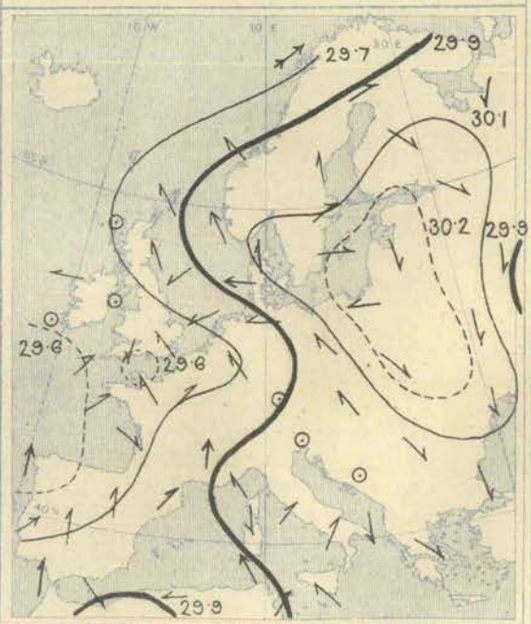
Wednesday, 17th April.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather in morning very fine over south-eastern and central Europe, the Baltic, and Finland, as well as at several of our own northern and eastern stations; cloudy or overcast, as a whole, elsewhere, with rain at Lorient and Shields, and a rather showery appearance generally. Rain falling later over France and England, and thunderstorms occurring over our south-eastern and south-midland counties, lightning at Spurn Head. Aurora at Wick.

Temperature fallen over northern Europe, changing fitfully elsewhere. Morning readings highest, 60° and more on the southern shores of the Mediterranean and the Bay of Biscay, and exceeding 50° both in the south and the north-east of France. Lowest, 14° at Haparanda, 16° to 23° over the north of Russia, 28° at Bodö, 31° at Riga and Kiev. Rising later to 75° in the south-west of France, 72° at Brussels, 67° in London, 63° at Cambridge, and 62° at Parsonstown. Succeeding night milder over our Islands than of late.

Wind (1) still Northerly to North-Westerly over Russia, but of little strength; (2) light and anticyclonic over Scandinavia, the Baltic, and central Europe; (3) Easterly and South-Easterly, light to moderate, in our Islands, South-Easterly to Southerly over the Bay of Biscay (strong at Corunna), South-South-Easterly to South-South-Westerly over the Spanish Peninsula, West-North-Westerly in the Azores. Becoming extremely light and variable later.

Barometer highest, 30·2 ins. and more to 30·0 ins. in a large anticyclone of rather irregular form covering Scandinavia, Finland, the Baltic, central Europe, and Italy. Lowest 29·6 ins. to 29·7 ins. in a very shallow depression of irregular outline spreading from the Atlantic over western Europe, and below 29·7 ins. in another passing away to the south-eastward over central Russia. Former disturbance spreading all over the United Kingdom later, and another approaching the Bay of Biscay. Barometer rising fast in the Azores.

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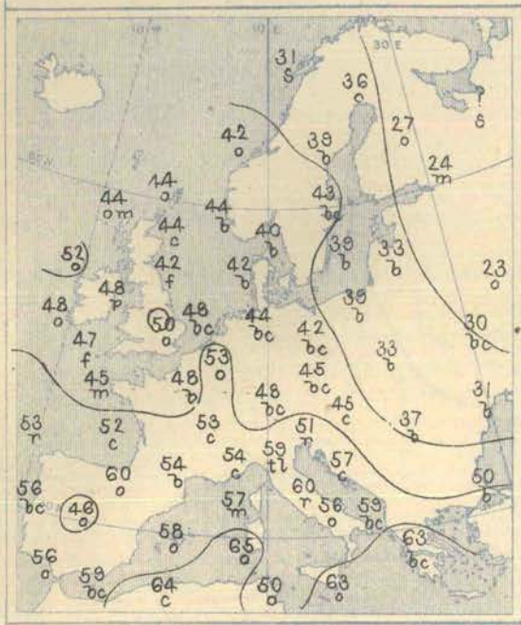
Thursday, 18th April.

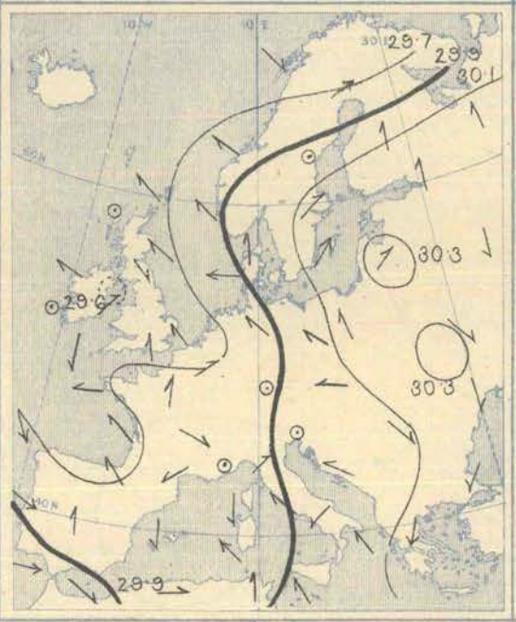
Temperature and Weather. 8 a.m.

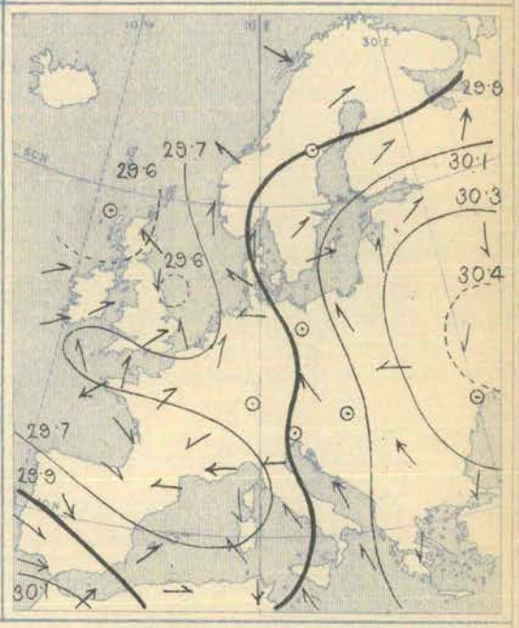


Weather in morning fine over Russia and many parts of Germany, Denmark, and Sweden, but, as a whole, changeable elsewhere; showers reported in several parts of our Islands, rain, thunder, and lightning in Italy. Some rain falling later on our north-western coasts generally, passing showers over many parts of England and the Continent, and a good deal of rain in the south of France.

Temperature risen over Ireland, England, and central Europe, fallen over France. Morning readings highest, 60° and more on the southern side of the Mediterranean and at Biarritz and Bilbao, 50° and more over southern Europe generally, and at some Irish stations. Lowest, 23° at Moscow, 24° at St. Petersburg, 27° at Kuopio, and 31° to 32° on the shores of the Gulf of Finland. Rising later to between 68° and 73° in the south of France, 68° at Paris; 64° in London, and exceeding 50° at most of the Scandinavian stations.

Barometer and Wind. 8 a.m. and 6 p.m.



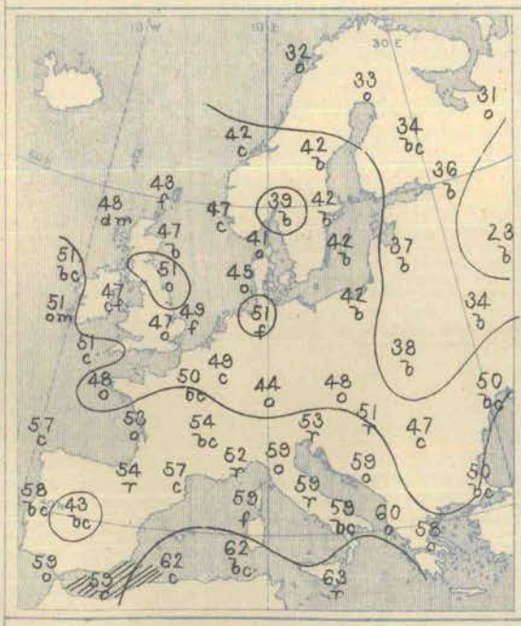


Wind (1) Easterly (anticyclonic) over central Europe, Southerly over the Baltic, Southerly to Westerly over Finland and the north of Russia, Northerly at Moscow; (2) light and extremely variable (cyclonic) over the British Islands, Easterly in the west of France, but North-Westerly, strong, over Portugal and the north-west of Spain. Mainly Easterly or South-Easterly over the Mediterranean. No decided change later.

Barometer highest, 30·3 ins. and more to 30·0 ins. in a large anticyclone over Russia, eastern Germany, and the Baltic, and exceeding 30·0 ins. over the Azores, and 29·9 ins. in the extreme south-west of Spain. Lowest, below 29·7 ins. all over the British Islands and Bay of Biscay, with small slight minima in places. Rising later over Spain and France and still later over Ireland and England, falling over northern Europe.

Friday, 19th April.

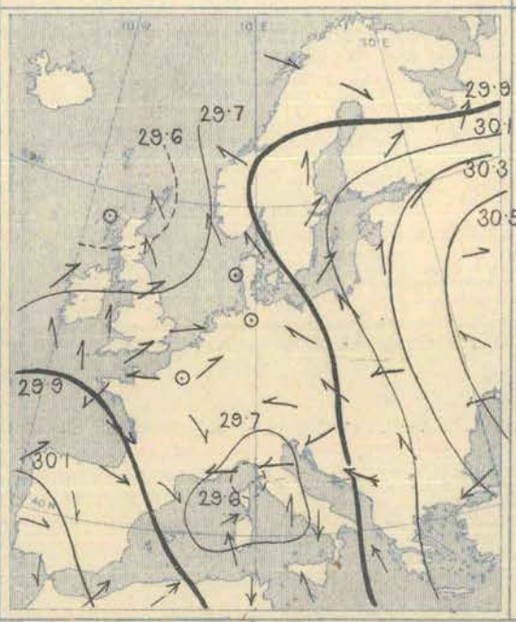
Temperature and Weather. 8 a.m.

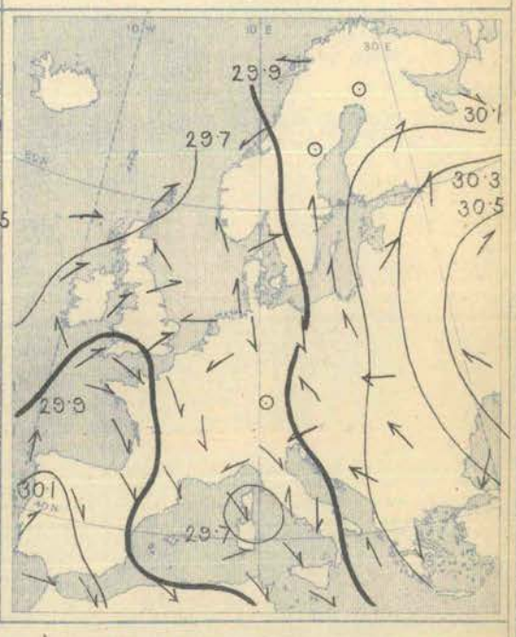


Weather in morning fine over Russia and many parts of Germany and Scandinavia, rainy over the greater part of the Mediterranean and Austria, changeable elsewhere. Some rain later on our western coasts generally and more at the Mediterranean stations; thunder reported at Spurn Head and in the Netherlands.

Temperature risen over the greater part of the Continent, but fallen at several of the Mediterranean and Algerian stations. Morning readings highest, 60° or more at several of the southern European stations, and exceeding 50° over France and the Spanish Peninsula. Lowest, 23° at Moscow, 29° at Kharkov, 31° at Archangel, and 32° to 34° over the southern parts of Russia. Rising later to between 68° and 73° over France and Spain, and exceeding 60° over the south-east of England and at the German stations.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind South-Easterly (anticyclonic) over central Russia, Southerly over the Baltic and Finland and the north of Russia, Westerly at Moscow. Light from South-West or South over England and Ireland, but Northerly over the greater part of France and the Peninsula. A well-marked cyclonic circulation was reported over the Mediterranean.

Barometer highest, 30·5 ins. and more to 30·2 ins. in a large anticyclone over south-eastern Russia, and exceeding 30·1 ins. over the south-western parts of the Iberian Peninsula. Lowest, below 29·6 ins. over the greater part of Scotland, and 29·6 ins. and less in a well-marked depression lying over the Mediterranean. Barometer falling later off our extreme west coasts, but rise continuing over western Europe generally.

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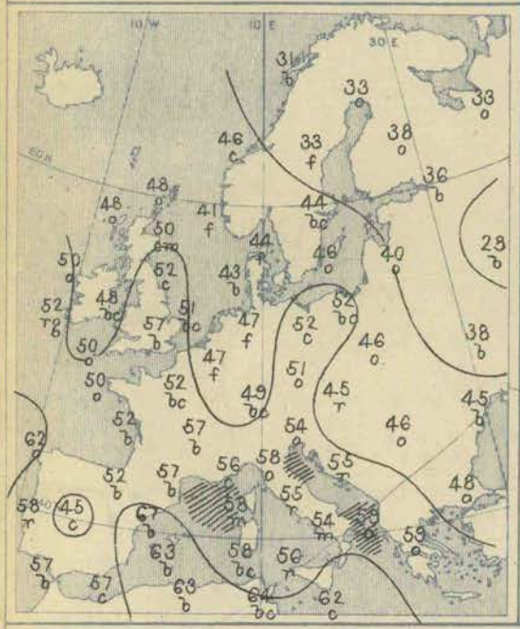
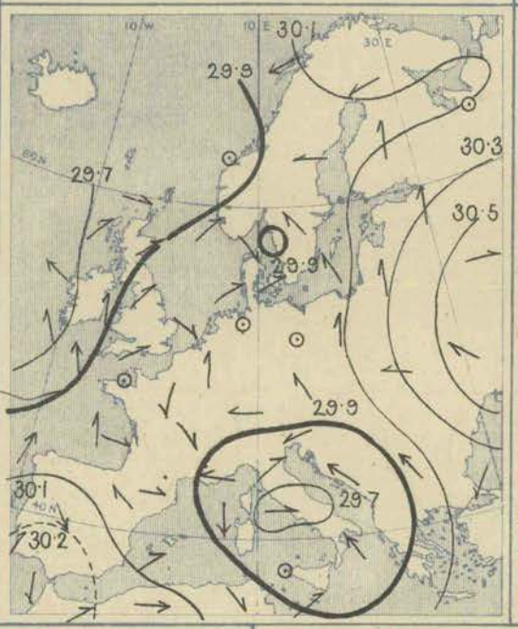
Saturday, 20th April.

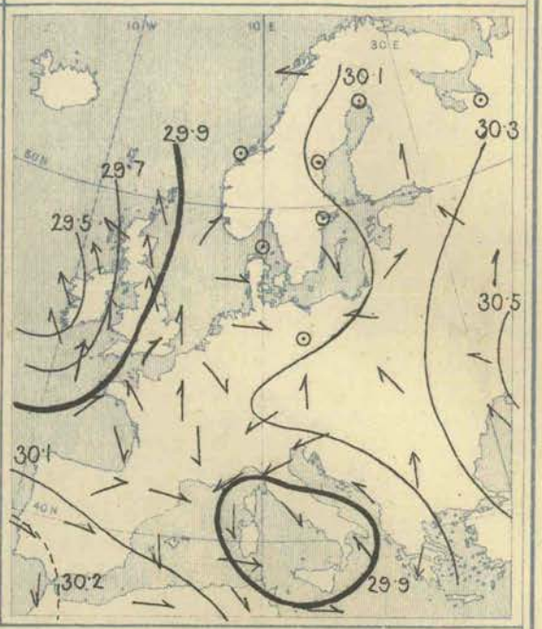
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and the greater part of central and south-western Europe; cloudy over the British Islands and western Europe, with rain at many of the extreme western stations; dull and rainy over the Adriatic and eastern parts of the Mediterranean. Rain falling later in nearly all parts of the British Islands and the north-west of France, also over Hungary and parts of Italy, amounts large in the extreme west of Ireland, considerable at Brest, large in the south of Italy.

Temperature risen decidedly over England, changed irregularly elsewhere. Morning readings highest, 60° and more at several stations on the western and southern shores of the Mediterranean and at Corunna; exceeding 50° over southern Europe generally and in many parts of Germany, France, and the British Islands. Lowest, 27° at Helsingfors, 28° at Moscow, and 31° to 33° in the more northern parts of Continental Europe. Rising later to between 60° and 67° over the greater part of England, to 72° at Paris, Nice, and in several parts of Spain, and to 79° at Sfax.

Wind (1) South-Westerly, moderate to strong, on the west coasts of the Peninsula, and South-Westerly to South-Easterly over the British Islands (fresh in the west); (2) anticyclonic, Easterly to Southerly, over Russia and the Baltic; (3) cyclonic Easterly and South-Easterly (strong), over the north of Italy and the Adriatic, but Northerly in Corsica, North-Westerly in Sardinia, South-Westerly at Malta. Blowing strongly from the Southward on our western coasts later, and freshening over England generally.

Barometer highest, (1) 30·6 ins. and more over the southern half of Russia, and exceeding 30·1 ins. over that country generally; 30·2 ins. to 30·1 ins. over Spain, and exceeding 30·0 ins. over nearly the whole of France and western Germany. Lowest, below 29·6 ins. in a well-marked depression over Italy, and below 29·7 ins. in another off the west of Ireland. Latter system moving north-eastwards later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of this week a large anticyclone covered the British Islands and their neighbourhood, and stretched in the form of a "ridge" or "col" across central Europe to the Black Sea, while low pressure areas lay over northern Europe on the one hand and off the coast of Portugal on the other. Very gradually the high-pressure area moved north-eastwards, until, on Tuesday, it lay over Scandinavia, and a low pressure system, bringing with it much milder and damper weather, began to spread over the United Kingdom and western Europe from the south-westward. By Thursday the anticyclone had reached the south of Russia; low pressure systems had become general over western and north-western Europe, and Southerly breezes had brought about a great amelioration of the temperature, which had hitherto remained very cold over Lapland, Finland, and Russia.

At the close of the week there were two high-pressure systems, one over Russia, the other off the south-west of Spain. At the same time a depression off the west of Ireland was causing a continuation of mild showery weather in the British Islands, and another depression over Italy was causing unsettled weather over southern Europe and the Mediterranean.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 92.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	38·6	?	39	?	EASTBOURNE	46·1	?	48	?
OSWALDKIRK (Yorkshire)	55·5	?	57	?	MANCHESTER (Oldham Road)	41·5*	?	43*	?
WORKSOP	44·6	+14·6	46	+16	TENBY	50·2*	?	52*	?
THURCASTON (Leicestershire)	43·7	+15·7	45	+16	NEWQUAY	30·0	?	31	?
MARGATE	41·7	?	43	?	TORQUAY	47·9*	?	50*	?
WESTBOURNE (Sussex)	59·1*	?	61*	?	ARLEY COTTAGE (County Cavan)	36·5	?	37	?
BRIGHTON	54·6	?	56	?	GUERNSEY	46·3*	?	48*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith., 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 17.] *Third Series.* WEEK ENDING SATURDAY, APRIL 27TH, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

	DISTRICTS. (See p. 98.)	Temperature of the Air.												
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.						
				Averages of				For the Week.				From December 30th, 1894.			
		Highest.	Lowest.	Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	62	38	53·6	43·3	48·2	4 above	43	+15	0	−14	149	− 24	805	+291
	1. SCOTLAND, EAST	64	37	55·7	44·0	49·6	5 above	53	+17	0	−12	182	− 72	972	+423
	2. ENGLAND, N.E.	64	38	56·5	44·2	50·1	5 above	57	+24	0	− 7	227	− 18	781	+232
	3. ENGLAND, EAST	66	38	58·0	44·8	51·1	4 above	64	+19	0	− 9	287	− 22	848	+297
	4. MIDLAND COUNTIES	63	36	56·8	45·1	50·7	3 above	61	+14	0	−10	287	− 50	924*	+382
	5. ENGLAND, SOUTH	64	39	55·1	45·8	50·2	2 above	57	+ 6	0	− 6	270	− 92	751	+236
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	40	54·4	44·9	49·5	3 above	53	+14	0	− 8	209	− 50	773	+374
	7. ENGLAND, N.W.	62	39	54·6	45·3	49·8	3 above	55	+13	0	− 7	208	− 56	725	+314
	8. ENGLAND, S.W.	62	40	53·3	45·8	49·3	2 above	51	+ 5	0	− 4	268	−100	653	+341
	9. IRELAND, NORTH	61	33	54·4	44·0	48·9	2 above	48	+ 5	0	− 7	244	−101	634*	+279
	10. IRELAND, SOUTH	64	39	55·8	46·1	50·7	2 above	61	+14	0	− 5	308	−132	475	+197
	—CHANNEL ISLANDS	63	45	55·7	48·2	51·8	2 above	69	+19	0	0	340	−118	360	+248

	DISTRICTS. (See p. 98.)	Rainfall.						Bright Sunshine.							
		For the Week.			From December 30th, 1894.			For the Week.				From December 30th 1894.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	4 more	78	− 3	13·5	− 3·8	14	−23	13	−22	301	+ 3	27	0
	1. SCOTLAND EAST	5	8	3 more	62	− 3	7·9	− 1·6	21	+ 5†	20	+ 5†	318	+ 22	31	+ 2
	2. ENGLAND, N.E.	5	10	5 more	68	+ 6	8·8	+ 1·5	17	−13	17	−13	371	+ 53	29	+ 5
	3. ENGLAND, EAST	5	6	2 more	64	+ 3	6·7	− 0·4	21	−19	21	−19	385	+ 16	31	+ 1
	4. MIDLAND COUNTIES	6	13	9 more	76	− 2	7·4	− 0·8	18	−16	18	−16	330	+ 30	28	+ 2
	5. ENGLAND, SOUTH	6	12	8 more	53	− 4	6·6	− 1·9	19	−24	19	−24	404	+ 6	29	0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	13	7 more	66	− 3	9·3	− 7·5	14	−26	14	−25	343	+ 4	27	0
	7. ENGLAND, N.W.	5	13	8 more	60	− 4	8·9	− 0·9	14	−22	14	−21	300	+ 23	27	+ 2
	8. ENGLAND, S.W.	6	14	9 more	59	− 6	10·4	− 2·3	20	−23	20	−22	457	+ 43	35	+ 3
	9. IRELAND, NORTH	5	10	4 more	73	0	9·7	− 1·2	21	−13	20	−13	339	+ 13	28	+ 1
	10. IRELAND, SOUTH	6	10	4 more	63	− 5	11·4	− 1·6	28	−14	28	−14	380	− 23	30	− 1
	—CHANNEL ISLANDS	5	10	5 more	69	− 3	9·2	− 1·5	36	−11	36	−12	512	+ 67	42	+ 5

† *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was unsettled very generally, with frequent rain at nearly all stations, and thunder and lightning at some of the more southern and south-eastern localities towards the end of the week.

Temperature was considerably above the mean during the earlier half of the period, but subsequently fell considerably. The average for the week, however, exceeded the mean for the time of year, the excess ranging from 5° in Scotland E. and England N.E., to 2° over Ireland and the southern parts of England generally. The highest of the maxima occurred in most cases either on the 23rd or 24th, and ranged from 66° in England E. and the Midland Counties to 61° in Ireland N. The lowest of the minima were registered, as a rule, during the early morning of the 24th, and varied from 33° in Ireland N. and 36° in the Midland Counties, to 40° in England S.W. and Scotland W., and to 45° in the Channel Islands.

Rainfall exceeded the mean in all districts, the fall over the greater part of England being more than double the mean.

Bright Sunshine was much less than the mean in all districts excepting Scotland E. The percentage of the possible duration ranged from 13 in Scotland N. and 14 in Scotland W., to 28 in Ireland S., and to 36 in the Channel Islands.

Barometer and Wind.—During the earlier part of this period depressions skirted our extreme western and north-western coasts, causing Southerly and South-Westerly winds over all parts of the Kingdom. Later on, however, depressions appeared directly over us, and secondary systems were developed over France and the Channel. The wind consequently became very variable, but blew at first mainly from an Easterly point, and finally from between North-East and North-West. The movements of the depressions were very erratic.

67 1|90 W. & S., Ltd.
213 70 5|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 97 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	53	38	48·6	40·4	44 3	+ 2·0	23	4	5	0·92	+0·47	*	*	*	*
	Stornoway	56	40	51·9	43·6	47·6	+ 3·4	39	0	4	0·41	−0·16	17·1	−22·8	16	−22
	Wick	60	41	55·0	43·1	48·9	+ 5·1	48	0	6	0·97	+0·55	*	*	*	*
	Glencarron	62	40	55·7	42·9	49·0	+ 5·0	49	0	6	1·41	+0·43	*	*	*	*
	Fort Augustus	59	40	55·5	44·1	49·5	+ 4·8	53	0	5	0·66	+0·16	12·0	?	12	?
	Fort William	59	44	54·6	45·7	49·9	+ 3·9	55	0	6	1·40	+0·62	11·6	?	11	?
1. SCOTLAND, E.	Nairn	63	37	57·7	43·0	50·0	+ 4·5	56	0	3	1·16	+0·87	*	*	*	*
	Aberdeen	63	43	54·9	43·7	49·0	+ 4·1	49	0	5	0·77	+0·27	41·0	+ 5·0	40	+ 5
	Braemar	58	40	55·2	42·3	48·4	+ 6·0	45	0	5	0·59	+0·04	10·3†	?†	10†	?†
	Ochtertyre	61	43	57·4	45·3	51·1	+ 6·4	64	0	5	0·85	+0·30	*	*	*	*
	Leith	64	42	56·7	45·6	50·9	+ 4·8	62	0	5	0.5)	+0·19	*	*	*	*
	Marchmont	60	42	52·3	44·0	48·0	+ 4·0	42	0	6	0·87	+0·32	16·3	?	16	?
2. ENGLAND, N.E.	Alnwick Castle	60	42	54·9	43·7	49·0	+ 5·3	49	0	5	1·06	+0·51	*	*	*	*
	Durham	64	38	57·6	43·6	50·3	+ 5·4	58	0	6	1·13	+0·65	22·4	− 7·1	22	− 8
	Shields	64	41	55·9	44·3	49·8	+ 4·9	55	0	5	1·06	+0·66	*	*	*	*
	Scarborough	63	40	58·5	42·6	50·2	+ 4·3	57	0	5	0·91	+0·48	*	*	*	*
	York	64	41	58·1	45·4	51·5	+ 4·8	67	0	5	1·00	+0·56	15·4	−18·6	15	−18
	Spurn Head	59	43	54·1	45·6	49·7	+ 4·0	54	0	5	0·56	+0·24	*	*	*	*
3. ENGLAND, E.	Hillington	65	40	59·8	44·5	51·8	+ 4·6	69	0	5	0·82	+0·40	19·5	−20·3	19	−21
	Yarmouth	60	43	53·9	44·6	49·0	+ 3·0	49	0	5	0·41	−0·01	*	*	*	*
	Geldeston	63	41	58·7	44·2	51·1	+ 4·2	64	0	5	0·31	−0·09	20·7	−21·8	21	−22
	Cambridge	66	38	60·6	45·3	52·6	+ 4·6	74	0	5	0·54	+0·14	24·0	−13·8	24	−14
	Rothamsted	61	42	56·9	45·6	51·0	+ 4·3	63	0	6	1·00	+0·47	19·3	?	19	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	66	38	59·4	44·0	51·3	+ 3·9	65	0	5	1·03	+0·61	*	*	*	*
	Loughborough	65	41	58·1	46·0	51·8	+ 3·7	69	0	5	1·37	+0·92	*	*	*	*
	Stamford (Ketton Ha	64	36	59·1	45·3	51·9	+ 3·5	69	0	5	0·77	+0·32	*	*	*	*
	Cheadle	61	39	55·3	43·0	48·9	+ 3·0	48	0	6	1·40	+0·89	*	*	*	*
	Solihull	60	40	55·5	44·6	49·8	+ 2·9	55	0	6	1·75	?	*	*	*	*
	Churchstoke															
	Hereford	62	43	55·3	46·1	50·5	+ 2·9	60	0	6	1·53	+1·09	*	*	*	*
	Cirencester	61	42	54·4	45·1	49·5	+ 3·0	53	0	6	1·45	+0·93	20·0	−17·0	20	−17
	Oxford	62	43	56·9	46·6	51·5	+ 3·8	67	0	5	1·24	+0·80	17·4	−18·8	17	−18
5. ENGLAND, S.	London	64	43	58·7	47·3	52·7	+ 3·2	75	0	5	1·17	+0·72	14·6†	−18·4†	15†	−18†
	North Foreland	61	43	55·3	45·6	50·5	+ 3·4	60	0	6	0·53	?	*	*	*	*
	Strathfield Turgiss	64	39	59·3	45·5	52·1	+ 4·0	71	0	6	1·54	+1·12	*	*	*	*
	Dungeness	54	43	51·7	44·9	48·1	+ 0·3	43	0	6	0·50	+0·10	*	*	*	*
	Hastings (St. Leonards)	53	45	51·9	45·7	48·7	− 0·1	47	0	6	0·73	+0·30	17·2	−25·0	17	−28
	Southampton	60	45	56·5	46·4	51·2	+ 2·3	64	0	6	1·88	+1·36	14·0	−26·6	14	−27
	Hurst Castle	55	44	53·0	45·6	49·1	+ 1·3	50	0	6	1·56	+1·12	*	*	*	*
	Stowell	58	41	53·9	45·2	49·3	+ 1·8	51	0	7	1·72	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	43	57·9	45·6	51·5	+ 4·7	67	0	6	0·69	−0·16	*	*	*	*
	Glasgow	57	45	55·4	46·6	50·8	+ 5·1	62	0	6	1·00	+0·50	12·1	−21·7	12	−21
	Ardrossan	54	42	52·6	44·7	48·5	+ 1·5	46	0	6	1·46	+0·94	*	*	*	*
	Glenlee	59	40	55·2	43·7	49·2	+ 4·2	50	0	6	1·84	+1·19	*	*	*	*
	Douglas (Isle of Man)	55	43	51·1	44·1	47·4	+ 0·9	38	0	5	1·44	+0·91	16·3	−29·7	16	−30
7. ENGLAND, N.W.	Stonyhurst	58	42	54·1	44·8	49·2	+ 2·5	50	0	6	1·16	+0·62	11·1	−25·3	11	−24
	Blackpool	61	39	56·0	44·5	50·0	+ 2·7	56	0	5	1·23	+0·85	12·4	−26·6	12	−24
	Manchester (Prestwich)	62	40	56·6	44·8	50·4	+ 3·9	59	0	5	0·87	+0·41	10·7	?	10	?
	Liverpool Obsy. (Bidston)	61	44	55·4	46·6	50·8	+ 3·2	62	0	6	1·11	+0·73	*	*	*	*
	Llandudno	61	44	55·0	48·7	50·7	+ 2·7	61	0	5	1·62	+1·19	23·3	−13·4	24	−14
	Holyhead	54	43	50·7	44·6	47·5	− 0·3	39	0	5	1·56	+1·13	*	*	*	*
8. ENGLAND, S.W.	Llandovery	62	41	54·4	44·0	49·0	+ 2·4	49	0	7	1·06	+0·42	*	*	*	*
	Pembroke	50	41	48·6	44·7	46·6	− 0·7	32	0	6	1·65	+1·21	16·2	−30·4	16	−29
	Bristol (Montpelier)	62	45	56·2	47·7	51·8	+ 3·8	69	0	6	1·96	+1·43	*	*	*	*
	Arlington (N. Devon)	57	40	52·6	44·0	48·1	+ 1·8	43	0	6	1·64	+0·97	*	*	*	*
	Cullompton	62	46	57·1	48·5	52·6	+ 4·9	74	0	6	1·40	+0·78	15·4	−20·7	15	−21
	Falmouth	57	45	53·8	47·3	50·4	+ 1·6	59	0	6	1·64	+0·94	25·5	−18·0	26	−17
	Plymouth	54	41	52·0	45·2	48·4	− 1·4	45	0	6	1·41	+0·89	20·5	−21·7	21	−23
	Prawle Point	52	42	51·3	44·7	47·8	+ 0·3	41	0	6	0·74	+0·28*	*	*	*	*
9. IRELAND, N.	Malin Head	57	43	53·1	46·3	49·5	+ 2·1	53	0	4	0·87	?	*	*	*	*
	Londonderry	61	41	55·8	45·2	50·3	+ 2·2	58	0	5	0·98	+0·47	*	*	*	*
	Edenfel (Omagh)	59	33	53·7	41·1	47·1	+ 0·3	39	3	5	0·73	+0·25	*	*	*	*
	Belmullet	59	44	55·3	47·1	51.0	+ 1·9	63	0	7	0·72	?	*	*	*	*
	Markree Castle	61	31	55·9	42·3	48·8	+ 1·8	46	0	6	1·70	+1·14	32·6	− 7·1	32	− 6
	Brookeborough	59	36	54·0	43·8	48·7	+ 2·8	47	0	5	1·16	+0·58	*	*	*	*
	Armagh	61	40	54·4	45·9	48·9	+ 2·3	48	0	6	0·58	+0·08	16·7	−19·8	16	−20
	Donaghadee	58	39	51·9	43·3	47·4	+ 0·8	38	0	6	1·25	+0·77	*	*	*	*
	Edgeworthstown	61	36	55·2	42·8	48·7	+ 2·4	47	0	4	0·52	0·00	*	*	*	*
10. IRELAND, S.	Dublin	64	42	55·5	46·3	50·7	+ 2·6	61	0	6	0·80	+0·33	24·0	−18·2	24	−18
	Parsonstown	61	40	56·1	44·0	49·8	+ 2·4	55	0	4	1·28	+0·80	26·8	−12·9	27	−13
	Kilkenny	62	39	56·4	45·1	50·5	+ 2·8	60	0	6	0·59	+0·09	*	*	*	*
	Roche's Point	55	45	53·7	47·1	50·2	+ 0·9	57	0	6	1·21	+0·45	*	*	*	*
	Valencia	58	46	55·6	48·6	51·9	+ 2·5	69	0	6	1·29	+0·39	31·7	−11·5	32	−11
	Killarney	59	43	56·7	46·9	51·6	+ 2·8	67	0	6	1·22	?	*	*	*	*
	Foynes	59	42	56·5	44·5	50·2	+ 1·7	57	0	5	0·67	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	57	45	54·1	47·9	50·9	+ 1·4	62	0	5	1·16	+0·64	37·5	?	38	?
	Jersey	63	46	57·3	48·4	52·6	+ 2·3	74	0	4	0·77	+0·29	36·9	−10·6	37	−11

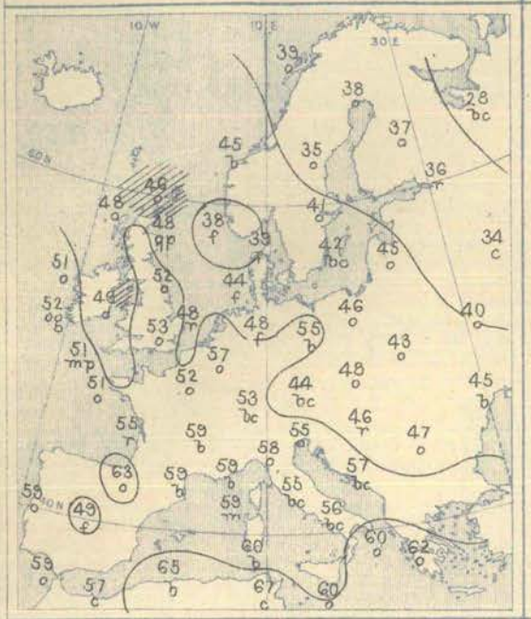
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked 𝒮 with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

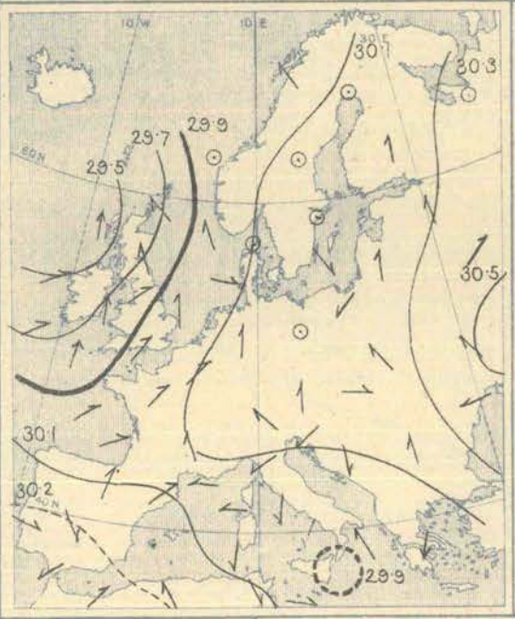
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 21st April.

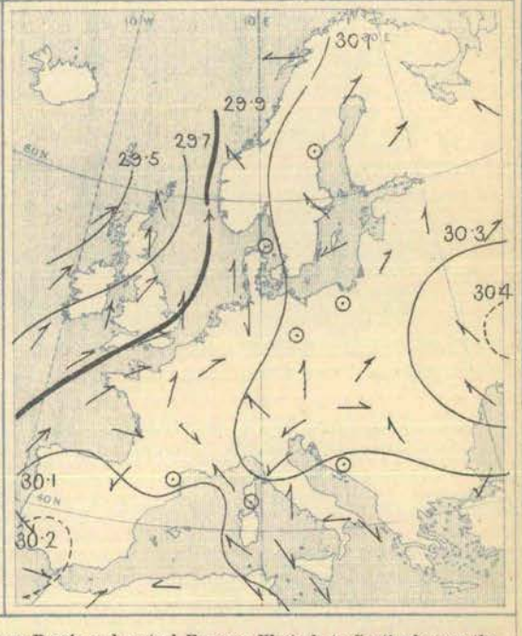
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Russia and the greater part of central and southern Europe, dull and unsettled over the British Islands and their neighbourhood, with rain in many places. Rain falling later in measurable quantity over all our north-western, western, and south-western districts, as well as in many parts of France and the Netherlands, but amounts small except on our south-western coasts, where they exceeded 0·2 inch.

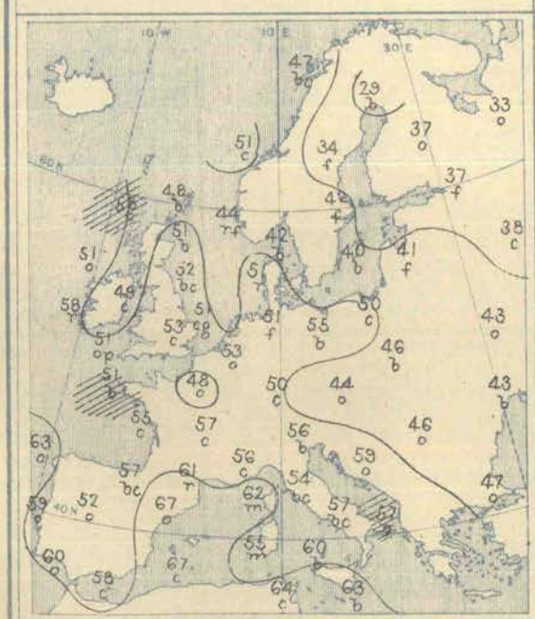
Temperatures in morning highest, 71° at Barcelona, 67° at Sfax, and exceeding 60° at many of the Mediterranean stations, 63° at Biarritz, and exceeding 50° over almost the whole of western Europe and the British Islands. Lowest, 28° at Archangel, 34° at Moscow, 35° at Kharkov and Hernösand, 36° at St. Petersburg; 38° at Skudesnaes, 39° at the Scaw. Rising later to between 60° and 64° in many parts of Great Britain, to 75° at Lyons, Barcelona, Cagliari, and Oran, and to 77° at Sfax, but not touching 60° at Paris.

Wind very light and variable over Russia and central Europe; Westerly to Southerly over the United Kingdom and neighbourhood, Westerly over Spain. An independent cyclonic circulation of moderate winds taking place over Italy and neighbouring parts of the Mediterranean and Adriatic. Backing to South-West at Corunna later and blowing freshly; hardly any other change.

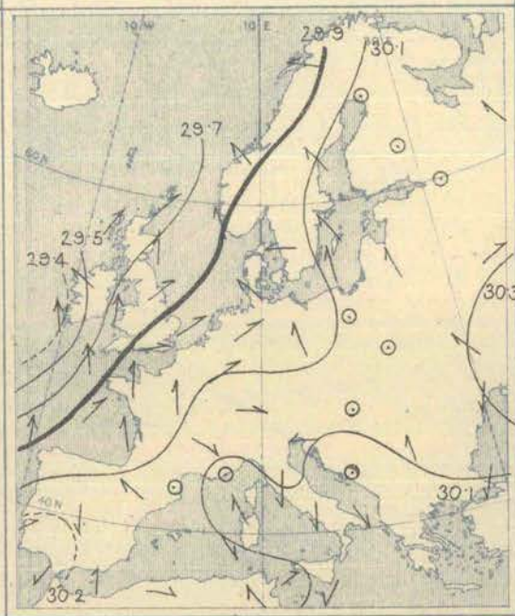
Barometer highest, (1) 30·5 ins. and more to 30·2 ins. over Russia; (2) 30·2 ins. and more over the south-west of Spain; (3) exceeding 30·0 ins. over the whole of Germany, France, Italy, and the Mediterranean. Lowest, 29·5 ins. and less in a depression to the north-westward of our Islands. Gradients moderate over the United Kingdom, slight elsewhere. Latter system moving northwards later, and barometer rising temporarily at our western stations.

Monday, 22nd April.

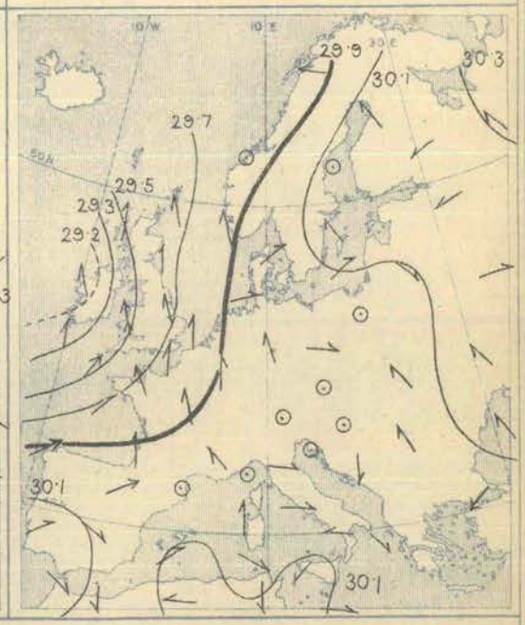
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the eastern parts of the Mediterranean and the Adriatic, as well as in the south of Russia; fine but foggy over the Baltic Provinces of Russia, Sweden, and Scotland; cloudy or overcast at the Irish, English, French, and Spanish stations, with rain in several places. Rain falling later in nearly all parts of Germany, France, and the British Islands, the amounts being large at Brest and in the south-west and west of the United Kingdom, slight elsewhere. Thunderstorms very prevalent over north Germany.

Temperature not changing decidedly. Morning readings highest, 67° at Barcelona and Algiers, 63° at Malta, and also at Corunna; and exceeding 50° over the greater part of France and the British Islands. Lowest, 29° at Haparanda, 33° at Archangel, 35° at Moscow; 36° at Kharkov and Odessa, and below 50° at Constantinople. Rising later to between 60° and 62° in several parts of Great Britain, to 67° at Paris, 68° at Berlin, 71° at Lyons, and 75° at Biarritz, 77° at Cagliari and in various parts of Tunis. Night very mild over the British Isles.

Wind Easterly to South-Easterly, moderate to light, over northern Europe and the Baltic, very variable over central Europe, but Southerly to South-Easterly over the Bay of Biscay and the British Islands, and beginning to blow strongly at the most western stations. Increasing to a gale in the south-west and west of the British Islands later, and to a very fresh or strong breeze in the north-west and the south, but subsiding still later, and veering to South-West over the southern districts.

Barometer highest, (1) 30·3 ins. and more to 30·2 ins. over Russia; (2) 30·2 ins. and more over the south-west of Spain; (3) exceeding 30·1 ins. in a band of irregular form uniting these two regions, and covering the greater part of France and central Europe. Lowest, below 29·4 ins. in a well-marked depression off the west of Ireland. Latter disturbance moving north-eastwards later, and spreading eastwards over England. Spanish anticyclone beginning to give way

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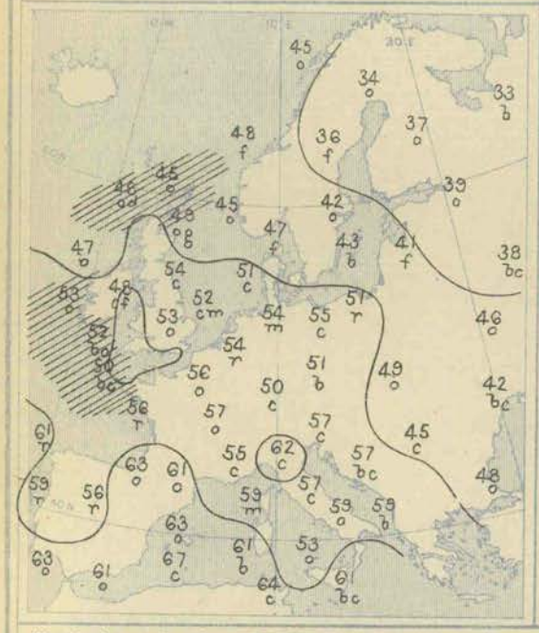
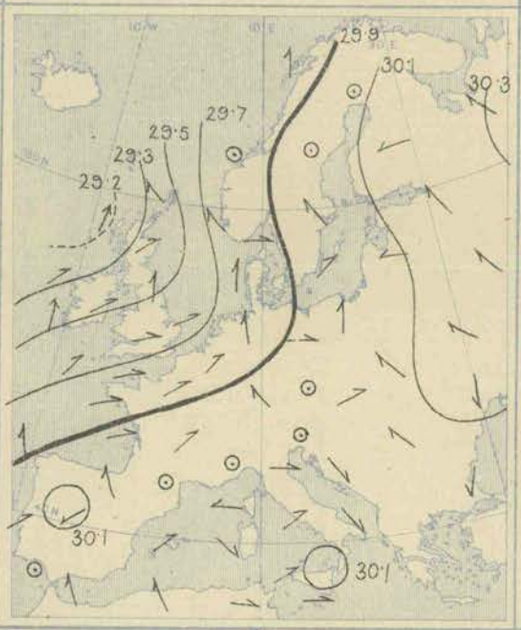
Tuesday, 23rd April.

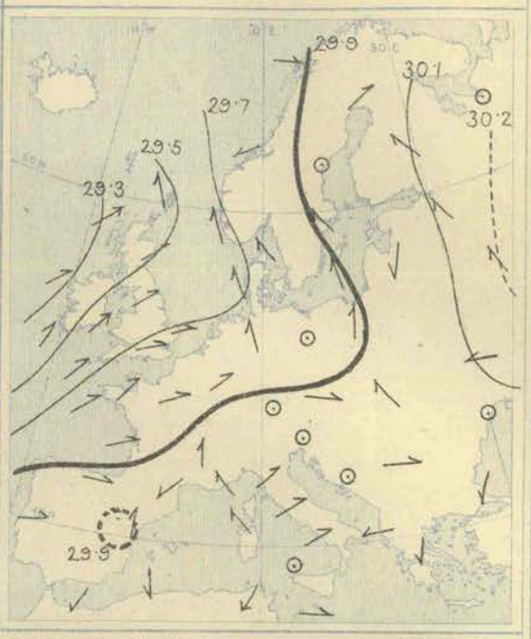
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright, locally, in many parts of Europe, but not of a settled character anywhere; rain showers falling in the extreme north-west of our Islands, and at several of the stations over western Europe. Rain reported later over France, Germany, and the eastern shores of the North Sea, as well as in the west and north-west of our Islands; thunder occurring in several northern parts of Ireland, and fog in a few localities.

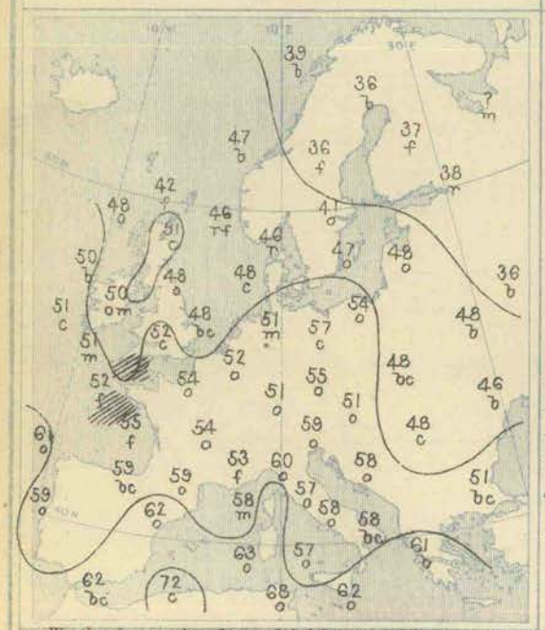
Temperature in morning highest, 67° at Algiers, exceeding 60° on the southern and western shores of the Mediterranean generally, and exceeding 50° over the greater part of western and central Europe. Lowest, 33° at Archangel, 34° to 36° in the north of Sweden, 37° at Kuopio, and 38° at Moscow. Rising later to between 60° and 64° over Great Britain, to 67° at Paris, 68° at Berlin and Nice, and 75° at Biarritz, 77° at Cagliari, and to 80° or 85° in some parts of Algeria.

Wind (1) South-Easterly, strong, in the north of Scotland, Southerly to West-South-Westerly, light to moderate, over the remainder of our Islands, Southerly, light, over the North Sea; (2) light and variable over the Mediterranean, light and anticyclonic (Easterly to South-Easterly) over Russia. Veering southwards in the north of Scotland later and moderating; no change of importance elsewhere.

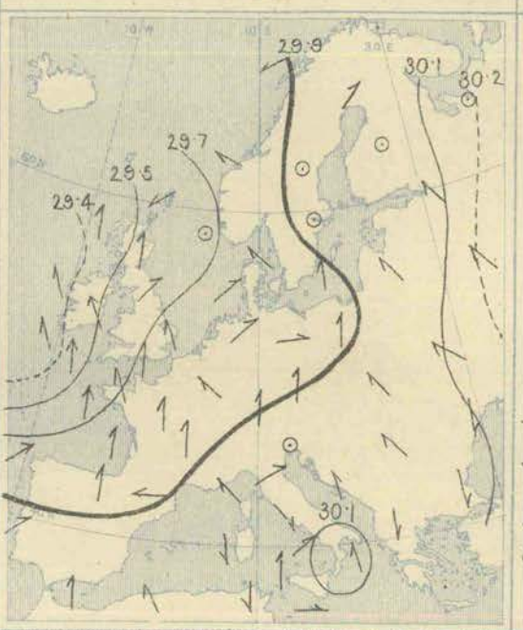
Barometer highest, 30·2 ins. and more over the northern and central parts of Russia, and ranging between 30·1 ins. and 30·0 ins. over south-eastern Europe, the Mediterranean, and the greater part of Spain. Lowest, 29·2 ins. and less in a depression off our extreme north-western coasts. Latter system moving northwards during day, barometer rising in the north and east of our Islands, but inclined to fall over Spain and the south-west of France.

Wednesday, 24th April.

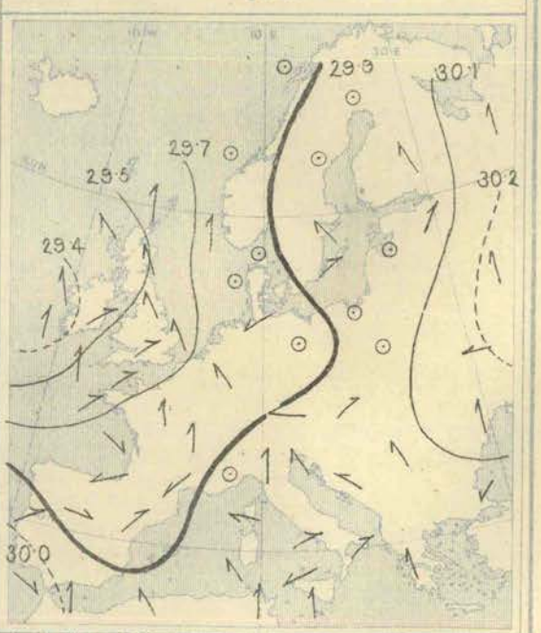
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-eastern Europe, central Russia, Lapland, and the northern parts of Norway, very cloudy over western and north-western Europe generally, dull and rainy in several localities, foggy or misty in others, especially in the south of France. Rain falling later in all parts of our Islands and France and in several parts of Germany and the Baltic Provinces; falls heavy over France and at several of our own southern stations, where also thunder and lightning occurred.

Temperature changing little and irregularly. Morning readings highest, 72° at Algiers, and exceeding 60° at nearly all stations on the southern side of the Mediterranean; exceeding 50° over central and western Europe as a whole, and in many parts of the British Islands. Lowest, 36° to 40° over the greater part of Russia and Lapland, 41° at Stockholm, 42° at Sumburgh Head. Rising later to 77° at Biarritz, to between 72° and 65° in several parts of France and Germany, to 64° in London, and to more than 60° over the eastern and northern counties of England.

Wind (1) variable from between South-East and North-East over Russia and northern Europe but light in force and mainly anticyclonic; (2) South-Westerly to Southerly, fresh to moderate, on the Spanish coasts, over the Bay of Biscay, and the greater part of France, Southerly to South-Easterly, moderate to light, over the British Islands; (3) very variable over the Mediterranean, but chiefly Easterly on its northern shores. Becoming variable over the British Islands later, South-Easterly airs mingling with the South-Westerly breezes in several districts.

Barometer highest, 30·2 ins. and more to 30·0 ins. over Russia, south-eastern Europe, Italy, and Sicily, exceeding 29·9 ins. over the southern half of Spain and the Azores. Lowest, below 29·4 ins. over the west and south-west of Ireland and the neighbouring parts of the Atlantic. Changing little and irregularly over the United Kingdom during the day, but falling a little over France and our south-eastern counties; rising over Scandinavia.

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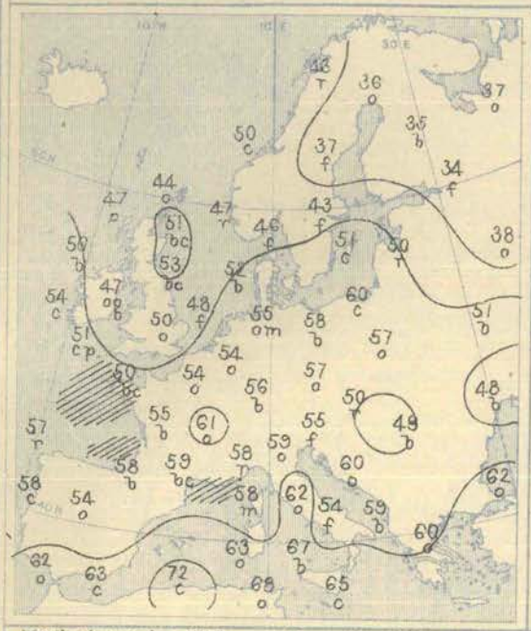
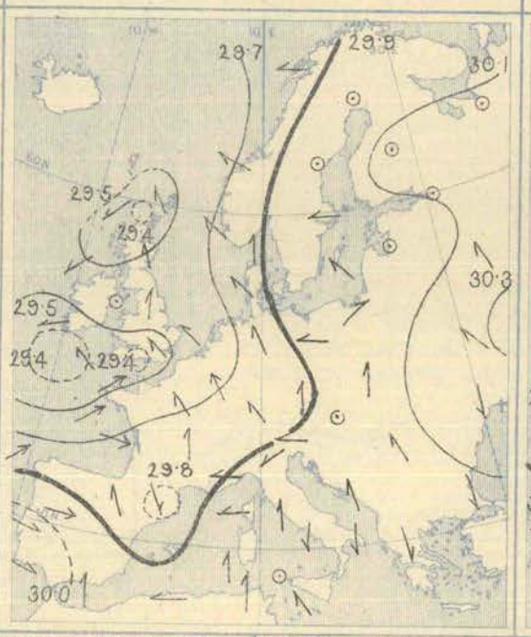
Thursday, 25th April.

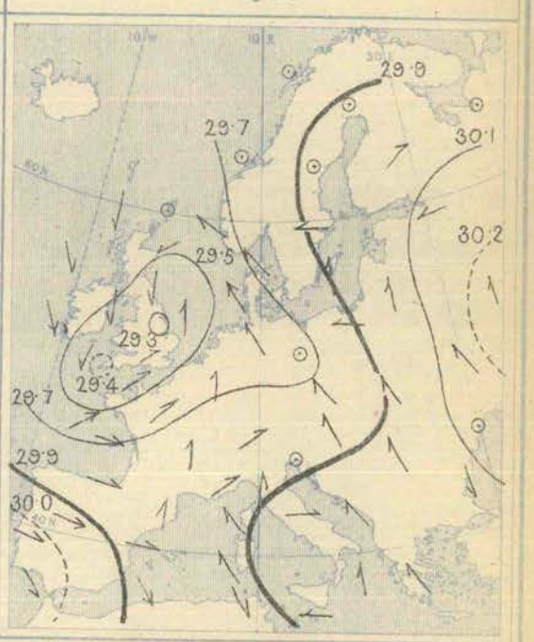
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over the southern half of Russia and many parts of central Europe, but, as a whole, cloudy and unsettled elsewhere, with rain in many places, especially over the north of France and the south of England, where also thunder occurred in several places. Rain falling later in all parts of the British Islands, western and central Europe, the falls being heavy over south Germany, some localities in France, and various parts of the British Islands; thunder and lightning occurring at Roche's Point.

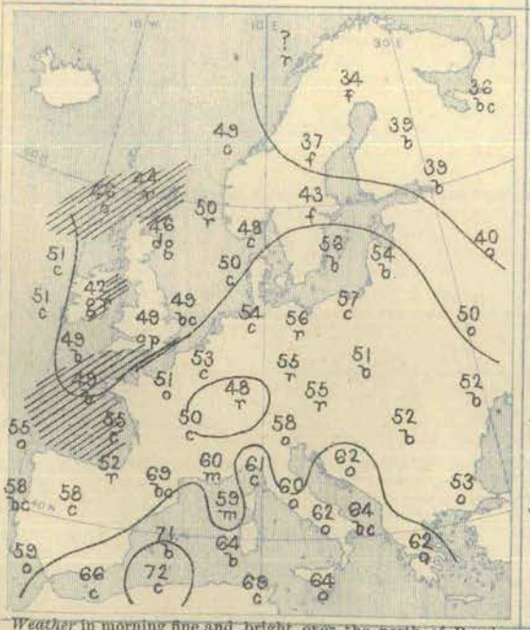
Temperature in morning highest, 72° at Algiers, and exceeding 60° on the southern shores of the Mediterranean generally and at Constantinople, as well as at Memel and Riga; exceeding 50° over Germany, France, at some of our own south-western and extreme north-eastern stations. Lowest, 34° to 38° over Finland and the north of Russia, 43° at Bodö, Faerder and Parsonstown, 45° at Ardrossan. Rising later to 60° at Cambridge only of all our own stations, but touching 70° at Fanö, Berlin, and Munich, 72° at Biarritz and Rome, and exceeding 80° in several parts of Algeria.

Wind (1) very light and variable over Russia, central and south-eastern Europe, moderate and variable over the Mediterranean: (2) Westerly to South-Westerly and fresh over Spain, the Bay of Biscay, and the west and north of France, South-Easterly over the North Sea, and still more Easterly (light) over England and France; (3) variable and light (but cyclonic) over Scotland. Backing Northward over Ireland later, but veering to South and South-West over England; becoming Northerly to Easterly over Scotland.

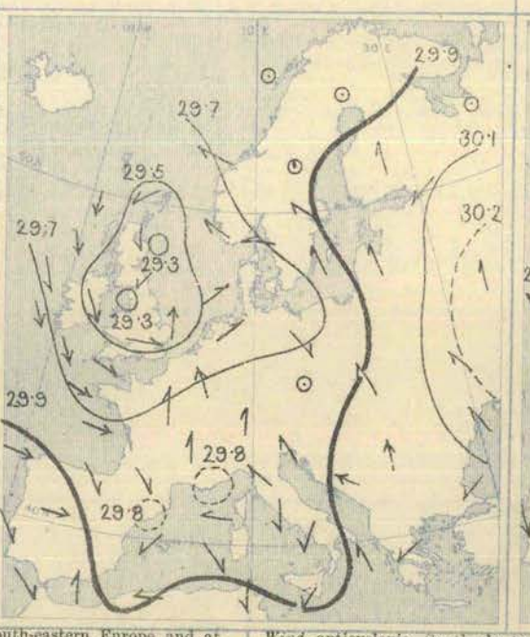
Barometer (1) highest, 30·3 ins. and more to 30·0 ins. over Russia and south-eastern Europe; (2) 30·1 ins. at P. Delgada (Azores), 30·0 ins. and more over Algeria and the south-west of Spain. Lowest, 29·4 ins. to 29·5 ins. in a depression over Scotland, the Orkneys, and Shetlands, and also in a very complex system stretching in an easterly direction from the region off the south of Ireland over the Channel and southern counties of England. Both disturbances moving northwards later, that over Scotland passing out of our area.

Friday, 26th April.

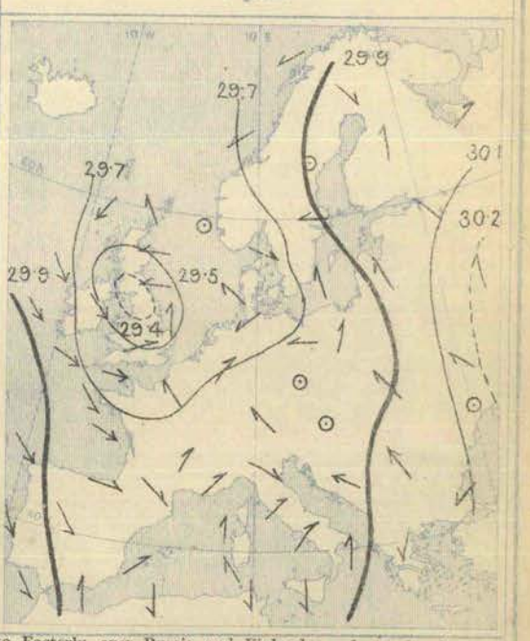
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the north of Russia, south-eastern Europe, and at many of the Mediterranean stations, and temporarily clear over the north-west of Germany; cloudy or overcast elsewhere, very unsettled over the British Islands and their neighbourhood, with rain in many places, especially over our northern and north-western districts. Considerable rain in the north of Scotland later, smaller quantities over Ireland, England, Germany, and the north of France, local showers in the west and south of France, with thunderstorms in places.

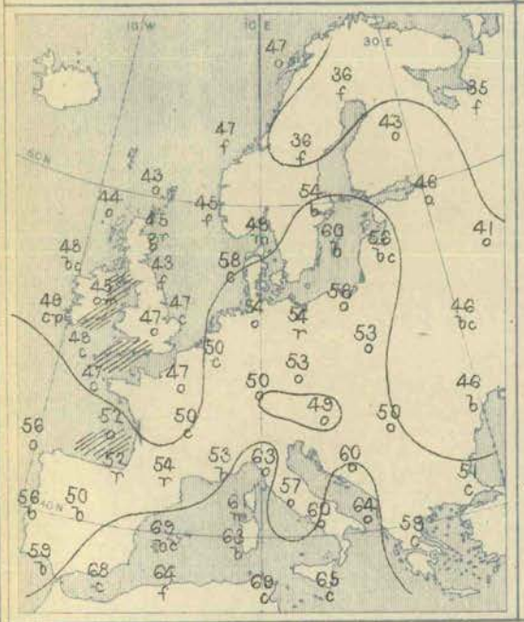
Temperature in morning highest, 72° at Algiers, 71° at Palma, and exceeding 60° at most of the Mediterranean and Adriatic stations; exceeding 50° over central France, Europe, and the Baltic Provinces, also in the extreme west and south of Ireland. Lowest, 34° at Haparanda, 36° at Archangel, 39° at St. Petersburg, 40° at Moscow; 44° to 46° over the north-eastern parts of Great Britain, 46° at Oxford. Not exceeding 55° at any of our own stations later, but touching 62° at Paris, 66° at Berlin, 69° at Perpignan, and 70° at Wisby, 72° at Rome, 79° at Cagliari, and between 80° and 90° over Algeria.

Wind anticyclonic, Southerly to Easterly, over Russia and Finland; cyclonic elsewhere; direction Northerly to North-Westerly on our western coasts, Westerly to Southerly over the west and north of France, Southerly over the North Sea, Easterly at Skudesnaes, and force generally moderate, Westerly to Northerly over Spain, extremely variable over the Mediterranean. The North-Westerly current becoming very strong on our north-west coasts later, strong over the Bay of Biscay, and fresh on our south-west coasts also. Very little change beside.

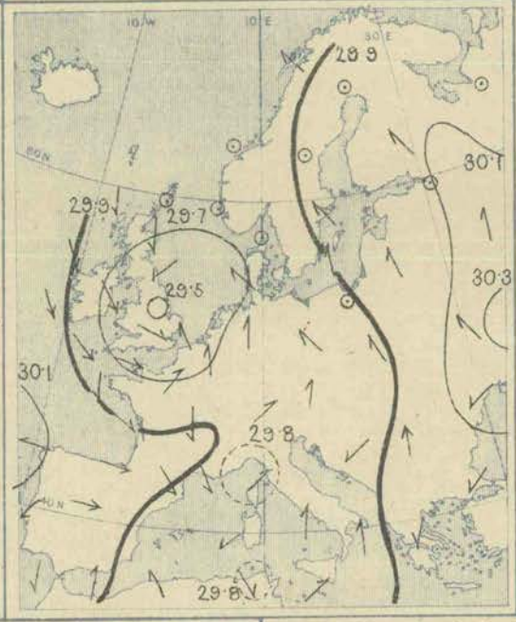
Barometer highest, (1) 30·3 ins. and more to 29·9 ins. in an anticyclone covering Russia, Finland, and the eastern parts of the Baltic; (2) 30·2 ins. and more over the Azores and 30·0 ins. and more to 29·9 ins. over the south-western half of Spain. Lowest, (1) 29·3 ins. to 29·4 ins. in a complex depression, having two minima, lying over the British Islands and North Sea; (2) 29·8 ins. and less in a very complex shallow disturbance covering the Mediterranean and Adriatic. British depression inclined to fill up later, and the southern portion to move south-eastwards.

Saturday, 27th April.

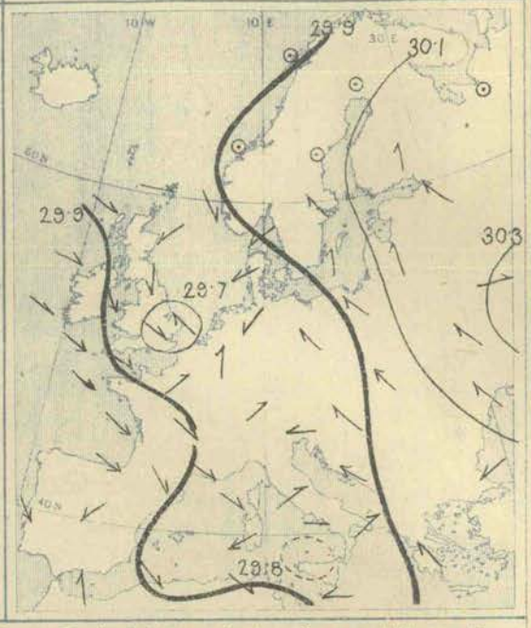
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over the southern half of Russia, and beginning to clear up over Ireland, fine in the south-west of Spain. Very dull over Great Britain and neighbouring countries, with rain at several stations and an unsettled appearance generally. Rain falling later over our northern and eastern districts, rather heavily at York and in London; a thunderstorm in London shortly before 2 p.m. Rain over Germany, the Netherlands, and north-east of France also.

Temperature in morning highest, 69° at Palma and Sfax, and exceeding 60° at many of the southern stations; exceeding 50° over central Europe, 60° at Wisby, 54° at Stockholm. Lowest, 35° at Archangel, 36° at Haparanda, 43° to 46° at the Scotch stations, and below 50° all over the British Islands. Rising later to between 50° and 55° over our Islands, to 57° at Paris, 68° at Nice, and much higher on the southern shores of the Mediterranean.

Wind (1) light and anticyclonic over Russia, light to moderate and very variable over the Mediterranean, moderate, Westerly to Northerly, over Spain; (2) Northerly to North-Westerly (cyclonic) over the greater part of the United Kingdom, and blowing strongly on our west and south-west coasts, moderate, South-Westerly to South-Easterly, on the coasts of Kent, Suffolk, and Norfolk, and light, North-Easterly, in Yorkshire. Northerly wind becoming general in our Islands later, and continuing to blow a very strong breeze in the west.

Barometer highest, (1) 30·3 ins. to 30·0 ins. over Russia; (2) 30·1 ins. to 30·0 ins. over the western half of Spain and neighbouring parts of the Atlantic. Lowest, 29·5 ins. to 29·6 ins. in a depression over the east of England, and below 29·8 ins. in some very shallow systems over the Mediterranean. Depression over England moving southwards later and filling up slowly. Barometer rising on all our coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 98.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	15·3	?	15	?	EASTBOURNE	25·2	?	25	?
OSWALDKIRK (Yorkshire)	14·0	?	14	?	MANCHESTER (Oldham Road)	10·7*	?	11*	?
WORKSOP	16·8	−15·9	17	−15	TENBY	15·5*	?	16*	?
THURCASTON (Leicestershire)	16·7	−13·7	17	−14	NEWQUAY	22·3	?	23	?
MARGATE	22·3	?	23	?	TORQUAY	21·7*	?	22*	?
WESTBOURNE (Sussex)	18·3*	?	18*	?	ARLEY COTTAGE (County Cavan)	13·4	?	13	?
BRIGHTON	21·0	?	21	?	GUERNSEY	34·0*	?	34*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd. Lith. 63 Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 18.] *Third Series.* WEEK ENDING SATURDAY, MAY 4TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 104.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	34	54·9	40·1	47·1	2 above	44	+11	5	− 6	193	− 13	810	+285
	1. SCOTLAND, EAST	64	30	56·6	39·4	47·5	2 above	49	+12	7	− 1	230*	− 61	979	+422
	2. ENGLAND, N.E.	63	36	56·0	41·5	48·3	2 above	48	+ 6	1	− 4	273	− 12	782	+288
	3. ENGLAND, EAST	66	33	58·3	39·9	48·6	1 above	55	+ 2	6	0	342	− 20	854	+297
	4. MIDLAND COUNTIES	63	32	60·0	40·2	49·5	1 above	60	+ 6	5	− 2	345*	− 46	929	+380
	5. ENGLAND, SOUTH	67	32	58·7	49·6	49·1	0 (average)	56	− 3	4	0	326	− 95	755	+336
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	63	34	56·0	40·1	47·6	0 (average)	47	+ 1	5	− 1	256	− 49	778	+373
	7. ENGLAND, N.W.	62	35	56·2	42·1	48·7	1 above	47	− 2	0	− 5	255	− 58	725	+309
	8. ENGLAND, S.W.	70	28	57·5	41·7	49·1	0 (average)	51	− 2	1	− 2	319	−102	654	+339
	9. IRELAND, NORTH	67	30	57·2	39·8	48·0	0 (average)	51	+ 2	6	+ 1	295	− 99	640	+280
	10. IRELAND, SOUTH	65	33	57·6	40·7	48·7	1 below	52	− 2	4	+ 1	380	−134	479	+198
	—CHANNEL ISLANDS	59	41	55·3	44·9	49·8	1 below	55	− 2	0	0	395	−120	360	+248

Rainfall.

	DISTRICTS. (See p. 104.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	5	2 less	82	− 4	14·0	− 3·9
	1. SCOTLAND EAST	2	2	3 less	64	− 4	8·1	− 1·9
	2. ENGLAND, N.E.	2	2	3 less	70	+ 5	9·0	+ 1·2
	3. ENGLAND, EAST	1	1	4 less	65	+ 1	6·8	− 0·8
	4. MIDLAND COUNTIES	1	3	2 less	57	− 4	7·7	− 1·0
	5. ENGLAND, SOUTH	1	1	4 less	54	− 7	6·7	− 2·2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	4	2 less	70	− 3	9·7	− 7·7
	7. ENGLAND, N.W.	2	3	1 less	62	− 5	9·2	− 1·1
	8. ENGLAND, S.W.	2	3	3 less	61	− 8	10·7	− 2·5
	9. IRELAND, NORTH	3	3	3 less	76	0	10·0	− 1·4
	10. IRELAND, SOUTH	3	4	2 less	66	− 6	11·8	− 1·6
	—CHANNEL ISLANDS	2	2	3 less	71	− 4	9·4	− 1·8

Bright Sunshine.

	DISTRICTS. (See p. 104.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	31	− 9	29	− 8	332	− 6	27	− 1
	1. SCOTLAND EAST	45	+ 8	43	+ 8	363	+ 31	32	+ 2
	2. ENGLAND, N.E.	46	+13	44	+12	417	+ 66	30	+ 5
	3. ENGLAND, EAST	55	+13	53	+12	440	+ 29	33	+ 3
	4. MIDLAND COUNTIES	58	+21	55	+19	419*	+ 51	30	+ 4
	5. ENGLAND, SOUTH	56	+15	55	+15	460	+ 21	31	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	42	0	40	0	385	+ 4	28	0
	7. ENGLAND, N.W.	54	+18	51	+17	354	+ 43	30	+ 4
	8. ENGLAND, S.W.	62	+17	61	+17	519	+ 60	37	+ 5
	9. IRELAND, NORTH	39	− 2	37	− 2	378	+ 11	28	0
	10. IRELAND, SOUTH	53	+ 9	51	+ 9	433	− 13	31	− 1
	—CHANNEL ISLANDS	65	+14	64	+13	577	+ 81	44	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was fine, bright, and dry generally. Some rain, however, occurred in the extreme west and north during the earlier part of the week, and at nearly all our stations during either Tuesday or Wednesday.

Temperature was rather above the mean over the major part of Great Britain, but only just equalled it in England S. and S.W., as well as in Scotland W. and Ireland N., while in Ireland S. and the Channel Islands it was slightly below the normal. The highest of the maxima, which occurred on very irregular dates, ranged from 70° in England S.W. and 67° in England S. and Ireland N. to 62° in England N.W., and to 59° in the Channel Islands. The lowest of the minima were recorded, as a rule, either on May 2nd or 3rd, and varied from 28° in England S.W. and 30° in Scotland E. and Ireland N., to 36° in England N.E., and to 41° in the Channel Islands.

Rainfall was less than the mean in all districts. In England E. and S. the fall was extremely slight.

Bright Sunshine was rather less than the normal in Scotland N. and Ireland N., and just equal to it in Scotland W.; in all other parts of the Kingdom, however, there was a decided excess. The percentage of the possible duration ranged from 29 in Scotland N. and 37 in Ireland N., to between 51 and 55 over the greater part of England, to 61 in England S.W., and to 64 in the Channel Islands.

Barometer and Wind.—The distribution of pressure over our Islands was mainly anticyclonic. During the earlier part of the week, however, depressions were moving north-eastwards outside our extreme western and north-western coasts, causing Southerly to South-Westerly and Westerly winds over the Kingdom generally, while, later in the week, a disturbance travelling south-westwards from Denmark to France caused the North-Easterly winds, then prevalent in all except our most northern districts, to increase considerably in force, especially in the extreme south-east of England.

607 1 | 90 W. & S., Ltd.
213 70 5 | 95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 103 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		*	*	*	*	*	*				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	54	38	50·4	40·7	45·3	+ 2·4	29	4	3	0·25	−0·17	*	*	*	*
	Stornoway	56	37	53·3	40·1	46·3	+ 1·4	38	5	4	0·35	−0·22	32·7	− 8·8	30	− 8
	Wick	64	35	55·9	41·0	48·0	+ 3·4	46	3	1	0·05	−0·37	*	*	*	*
	Glencarron 𝔖	63	34	55·2	38·2	46·2	− 1·5	45	11	5	0·80	−0·19	*	*	*	*
	Fort Augustus 𝔖	63	35	58·6	33·3	48·4	+ 3·0	56	8	4	0·28	−0·22	27·8	?	26	?
	Fort William 𝔖	59	37	55·9	41·3	48·2	+ 1·5	46	2	5	0·94	+0·16	31·9	?	30	?
1. SCOTLAND, E.	Nairn	62	33	58·7	39·4	48·5	+ 2·1	56	7	0	—	−0·30	*	*	*	*
	Aberdeen	58	39	54·1	41·3	47·3	+ 1·6	40	2	2	0·23	−0·27	47·3	+ 8·6	44	+ 8
	Braemar 𝔖	60	30	55·5	35·9	45·1	+ 1·9	47	17	4	0·24	−0·29	42·2†	?†	39†	?†
	Ochtertyre 𝔖	64	35	59·4	38·9	48·5	+ 3·2	59	9	4	0·46	−0·01	*	*	*	*
	Leith	60	37	57·7	41·4	49·1	+ 2·3	52	2	2	0·03	−0·37	*	*	*	*
	Marchmont 𝔖	63	36	54·3	39·6	46·5	+ 1·8	42	7	1	0·06	−0·48	52·5	?	50	?
2. ENGLAND, N.E.	Alnwick Castle	59	38	54·7	42·0	48·0	+ 3·4	42	0	2	0·16	−0·38	*	*	*	*
	Durham	62	37	57·6	41·0	48·8	+ 3·2	52	3	2	0·05	−0·42	52·3	+19·1	50	+17
	Shields	60	36	53·6	40·6	46·7	+ 1·0	39	4	2	0·05	−0·35	*	*	*	*
	Scarborough 𝔐	64	36	57·4	41·3	48·9	+ 2·2	51	2	1	0·29	−0·13	*	*	*	*
	York	63	36	59·4	41·1	49·7	+ 2·3	58	3	1	0·22	−0·22	43·7	+ 6·2	42	+ 7
	Spurn Head	58	41	53·0	43·1	47·8	+ 1·3	41	0	1	0·19	−0·13	*	*	*	*
3. ENGLAND, E.	Hillington 𝔐	64	35	58·4	39·9	48·6	+ 0·6	55	6	1	0·12	−0·30	57·7	+14·8	55	+13
	Yarmouth	60	40	52·9	42·0	47·1	+ 0·2	36	0	1	0·01	−0·42	*	*	*	*
	Geldeston	66	37	56·3	?39·9	?49·0	? + 1·2	?58	? 6	0	—	−0·41	55·1	+ 8·8	53	+ 8
	Cambridge	65	33	61·4	38·7	49·4	+ 0·5	66	9	1	0·06	−0·34	54·7	+14·7	53	+14
	Rothamsted	62	33	59·4	39·2	48·7	+ 1·1	59	8	1	0·05	−0·48	50·8	?	49	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	66	35	62·4	40·6	50·9	+ 2·7	68	4	1	0·33	−0·10	*	*	*	*
	Loughborough	64	34	60·3	40·6	49·9	+ 0·8	61	4	1	0·35	−0·12	*	*	*	*
	Stamford (Ketton Ha	65	35	61·4	39·4	49·7	+ 0·4	65	7	2	0·14	−0·36	*	*	*	*
	Cheadle 𝔐	63	36	58·0	40·0	48·5	+ 1·8	54	6	1	0·36	−0·16	*	*	*	*
	Solihull	61	35	57·3	40·6	48·5	+ 0·5	51	4	2	0·70	?	*	*	*	*
	Churchstoke 𝔐	62	?	59·3	?	?	?	?	?	2	0·37	−0·07	58·6	+21·1	56	+19
	Hereford 𝔐	65	35	61·2	40·5	50·2	+ 1·8	64	4	2	0·25	−0·20	*	*	*	*
	Cirencester	63	32	59·4	38·6	48·4	+ 1·0	59	10	1	0·01	−0·42	60·9	+20·9	59	+20
	Oxford	64	36	59·9	41·0	49·9	+ 1·2	60	3	1	0·06	−0·39	54·0	+14·0	52	+15
5. ENGLAND, S.	London	65	35	62·3	40·7	50·9	+ 0·6	68	4	1	0·04	−0·40	52·6†	+16·6†	51†	+16†
	North Foreland	64	38	55·7	41·0	47·9	− 0·4	46	3	1	0·02	?	*	*	*	*
	Strathfield Turgiss 𝔐	65	32	62·1	38·6	49·7	+ 0·5	68	10	1	0·08	−0·34	*	*	*	*
	Dungeness	61	33	54·6	39·9	46·8	− 2·1	42	6	0	—	−0·40	*	*	*	*
	Hastings (St. Leonards)	60	40	57·5	41·4	49·0	− 0·7	52	2	0	—	−0·40	62·9	+16·8	62	+17
	Southampton	67	36	61·7	41·8	51·2	+ 1·2	65	1	1	0·06	−0·45	55·8	+12·7	55	+13
	Hurst Castle	66	37	58·0	42·4	49·7	+ 0·7	54	0	1	0·05	−0·38	*	*	*	*
	Stowell 𝔐	62	34	57·3	38·9	47·6	− 0·6	52	9	3	0·20	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	36	58·0	42·1	49·6	+ 2·0	53	0	5	0·58	−0·26	*	*	*	*
	Glasgow	62	38	57·3	41·6	49·0	+ 2·1	51	1	4	0·24	−0·26	33·0	− 2·2	31	− 1
	Ardrossan	56	40	54·3	42·3	47·9	− 0·2	41	0	3	0·28	−0·24	*	*	*	*
	Glenlee 𝔖	63	34	56·8	35·8	45·7	− 0·2	52	17	3	0·59	−0·07	*	*	*	*
	Douglas (Isle of Man)	58	36	53·5	38·8	45·7	− 1·8	39	9	3	0·50	−0·01	50·3	+ 2·1	48	+ 1
7. ENGLAND, N.W.	Stonyhurst	62	36	56·7	40·3	48·0	+ 0·4	49	5	2	0·37	−0·19	50·3	+11·3	48	+11
	Blackpool 𝔐	59	37	56·2	41·2	48·3	+ 0·1	47	2	2	0·17	−0·22	59·7	+17·9	57	+18
	Manchester (Prestwich)	61	35	57·7	41·7	49·2	+ 1·8	52	1	2	0·48	0·00	49·7	?	47	?
	Liverpool Obsy. (Bidston)	62	40	56·6	43·1	49·5	+ 0·8	53	0	2	0·19	−0·29	*	*	*	*
	Llandudno 𝔐	60	41	56·4	43·4	49·5	+ 0·6	53	0	3	0·25	−0·18	63·3	+23·5	61	+22
	Holyhead	58	41	53·4	43·0	47·9	− 0·8	41	0	2	0·46	+0·03	*	*	*	*
8. ENGLAND, S.W.	Llandovery	70	28	62·4	37·7	49·8	+ 2·1	73	12	3	0·40	−0·24	*	*	*	*
	Pembroke	55	41	51·3	42·9	46·9	− 1·2	34	0	2	0·53	+0·08	63·3	+15·5	61	+15
	Bristol (Montpelier)	68	36	61·4	42·6	51·4	+ 2·4	66	0	1	0·18	−0·36	*	*	*	*
	Arlington (N. Devon)	61	33	56·6	38·7	47·1	− 0·1	50	9	3	0·39	−0·27	*	*	*	*
	Cullompton 𝔐	64	32	60·3	44·5	51·9	+ 3·5	69	0	1	0·22	−0·36	55·6	+17·3	55	+17
	Falmouth	59	40	55·6	43·0	48·9	− 0·7	48	0	2	0·25	−0·43	71·0	+25·7	70	+25
	Plymouth	60	37	55·7	41·6	48·2	− 2·6	45	1	3	0·24	−0·26	55·1	+11·1	54	+11
	Prawle Point	59	40	55·3	42·6	48·6	+ 0·1	46	0	1	0·10	−0·32	*	*	*	*
9. IRELAND, N.	Malin Head	63	42	56·3	44·7	50·2	+ 1·7	57	0	2	0·08	?	*	*	*	*
	Londonderry	67	36	59·7	40·8	49·7	+ 0·8	59	3	3	0·34	−0·17	*	*	*	*
	Edenfel (Omagh)												*	*	*	*
	Belmullet	59	40	55·0	43·9	49·1	− 0·8	50	0	5	0·42	?	*	*	*	*
	Markree Castle	65	30	57·9	37·0	46·8	− 0·8	55	14	4	0·26	−0·26	37·1	− 3·1	35	− 4
	Brookeborough	65	32	58·8	36·3	46·9	+ 0·2	58	16	2	0·08	−0·50	*	*	*	*
	Armagh	59	54	57·3	38·7	47·4	0·0	52	9	2	0·19	−0·31	37·9	− 0·9	36	− 1
	Donaghadee	56	35	53·6	35·9	46·3	− 1·3	39	6	3	0·24	−0·25	*	*	*	*
	Edgeworthstown	65	32	58·6	37·4	47·4	+ 0·2	57	13	2	0·44	−0·08	*	*	*	*
10. IRELAND, S.	Dublin	63	38	57·8	41·9	49·4	+ 0·1	52	0	3	0·22	−0·25	49·1	+ 4·3	47	+ 4
	Parsonstown	65	35	59·9	38·6	48·6	+ 0·4	60	10	2	0·26	−0·22	47·0	+ 5·9	45	+ 4
	Kilkenny	62	33	56·6	36·9	46·2	− 2·2	51	14	3	0·56	+0·08	*	*	*	*
	Roche's Point	57	38	54·9	43·4	48·8	− 1·1	48	0	2	0·52	−0·22	*	*	*	*
	Valencia	60	36	56·9	44·7	50·4	+ 0·5	59	0	3	0·44	−0·41	62·0	+17·0	60	+17
	Killarney	65	33	59·1	38·3	48·1	− 1·2	58	10	3	0·47	?	*	*	*	*
	Foynes	62	37	58·2	41·4	49·3	− 0·1	54	2	4	0·19	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	57	44	54·6	46·1	50·1	0·0	57	0	2	0·41	−0·07	62·3	?	61	?
	Jersey	59	41	56·0	43·7	49·5	− 1·4	53	0	1	0·01	−0·46	63·9	+13·9	63	+13

Stations marked 𝔐 are in connection with the Royal Meteorological Society, and those marked 𝔖 with the Scottish Meteorological Society.

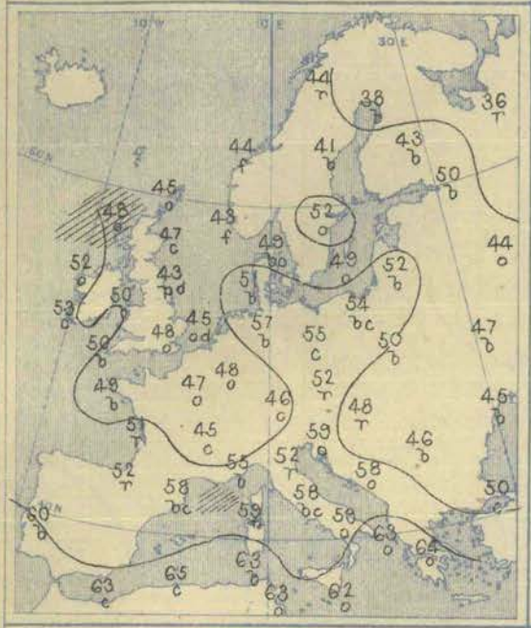
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 28th April.

Temperature and Weather.

8 a.m.

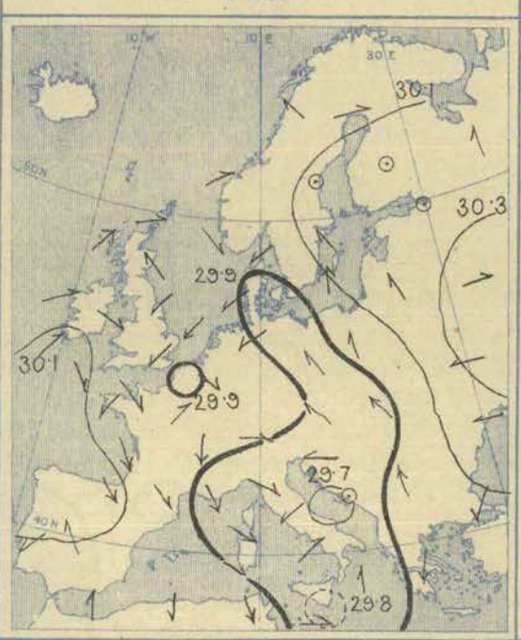


Weather in morning fine and bright over Russia and Sweden, as well as over Spain, Brittany, and nearly all the western parts of the British Islands; dull elsewhere, with fog and drizzle over the east of England and west of Norway. Very slight rain over the last-named regions and in the west of Ireland later, larger quantities over the east and south of France, western Germany, and Austria; the fall heavy at Vienna and Berne.

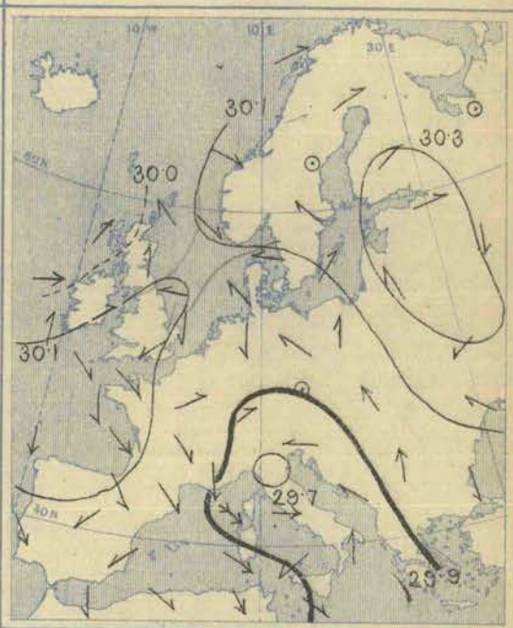
Temperature in morning highest, 65° to 60° at most stations on the southern side of the Mediterranean, exceeding 50° over southern Europe generally, and many parts of Germany and at Stockholm, as well as on the south-western coasts of our Islands. Lowest, 36° at Archangel, 38° at Haparanda, 41° at Hernösand, 42° at Kharkov, and 44° at Moscow. Rising later to 61° at Nairn and to between 55° and 60° in several parts of our Islands; night minima very low over our eastern and midland counties, frost on the grass.

Barometer and Wind.

8 a.m.



6 p.m.



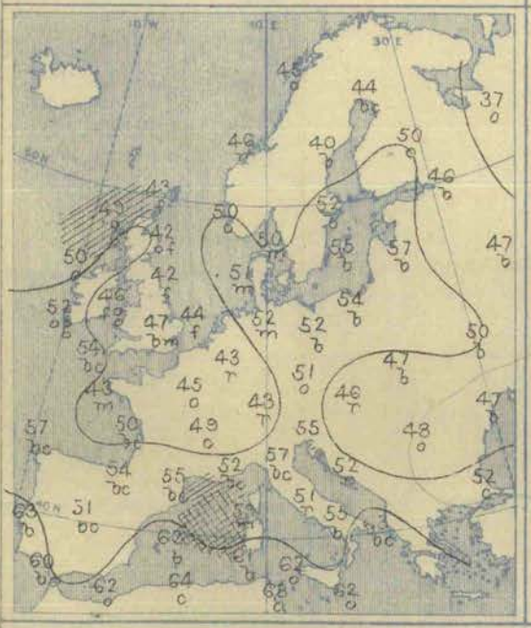
Wind (1) South-Easterly over Germany, the Baltic, and southern parts of Sweden; North-Easterly to Northerly over the Netherlands and the east of England, North-Westerly, fresh, over the west of France; South-Westerly to Southerly, however, on our extreme west and north-west coasts. The North-Easterly current in the east falling light later, the Southerly and South-Westerly current in the west freshening a little and spreading more eastwards.

Barometer highest, (1) 30·3 ins. and more to 30·0 ins. over Russia and Scandinavia; (2) 30·2 ins. and more over our south-western districts and the Bay of Biscay, and exceeding 30·1 ins. in a ridge over England and the south of Scotland. Lowest, 29·7 ins. to 29·8 ins. in a complex depression over Corsica, Italy, and the Adriatic, and below 30·0 ins. off our extreme north-west coasts. Rising over the North Sea and Scandinavia later, falling over our own western districts; little change elsewhere.

Monday, 29th April.

Temperature and Weather.

8 a.m.

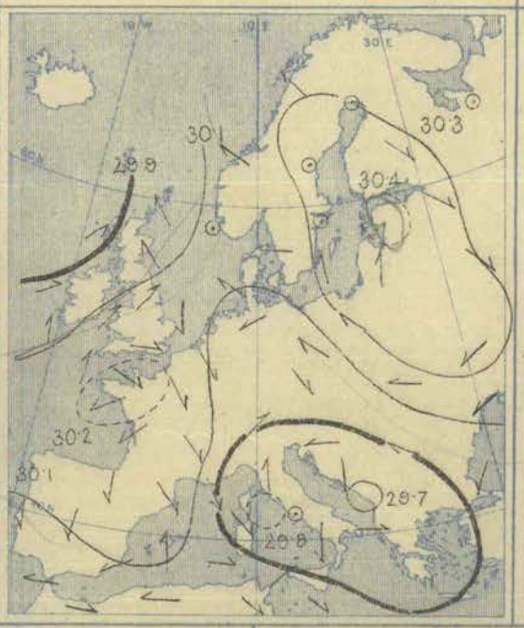


Weather in morning fine and bright (1) over Russia, the Baltic, and north Germany, (2) over England, the greater part of France and Spain; dull and unsettled (1) over Ireland and the west of Scotland, (2) over south Germany and the Adriatic, much fog on our north-east and east coasts. Some rain falling later over Ireland and the west of Scotland, but weather remaining fine over England; local showers over central Europe and Italy also, thunder over south Germany, rainfall considerable over Italy.

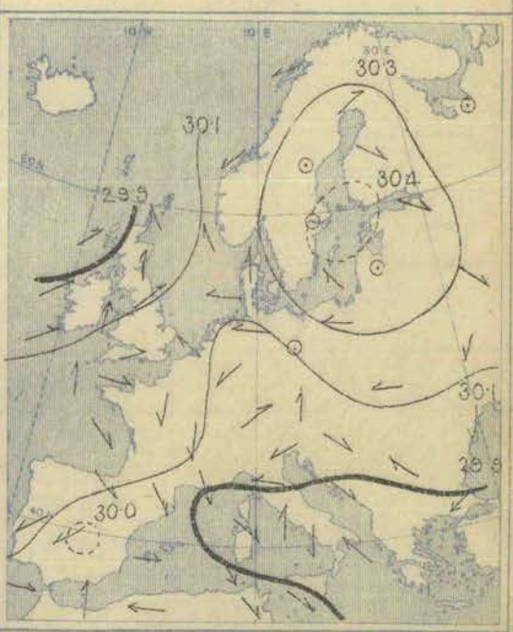
Temperature in morning highest, 68° at Sfax, and exceeding 60° over the southern parts of the Mediterranean generally; exceeding 50° on our south-west coasts, as well as over Germany and the south of Sweden. Lowest, 37° at Archangel, 42° at Hangö, Aberdeen, Shields, and Cambridge, 43° at Brussels, 45° at Paris. Rising later to between 60° and 65° in Sweden, Denmark, and the inland parts of England, to 68° at the Scaw, and 70° at Nice and in some parts of Italy; rather higher over Spain.

Barometer and Wind.

8 a.m.



6 p.m.



Wind light and anticyclonic over Russia, the Baltic, and Scandinavia, also over Spain, France, and the south of England; South-Easterly to South-Westerly over Scotland and Ireland. A cyclonic circulation of light to moderate winds prevailing over south-eastern Europe generally. The Southerly winds becoming more general over our Islands later.

Barometer highest, (1) 30·4 ins. to 30·2 ins. in an anticyclone covering Russia, the Baltic, and Sweden; (2) 30·2 ins. and more in another lying over the north-west of France and the English Channel. Lowest, (1) 29·7 ins. to 29·9 ins. in a complex depression covering the Adriatic and all the surrounding countries; (2) below 29·9 ins. in a large area lying to the north-westward of our Islands. The latter system moving northwards later, and barometer rising over British Islands and western Europe generally.

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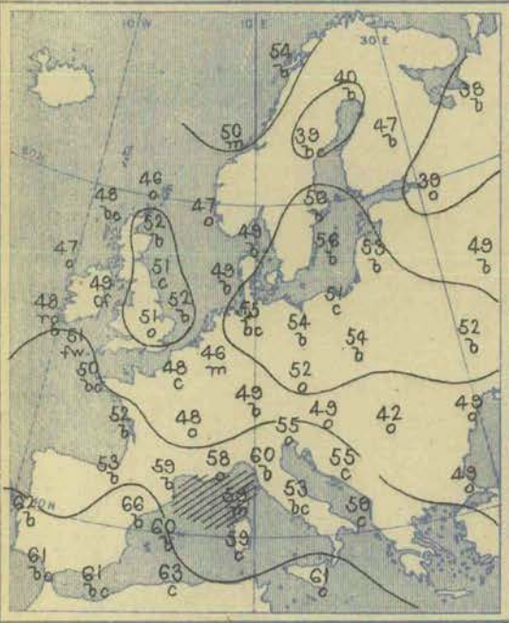
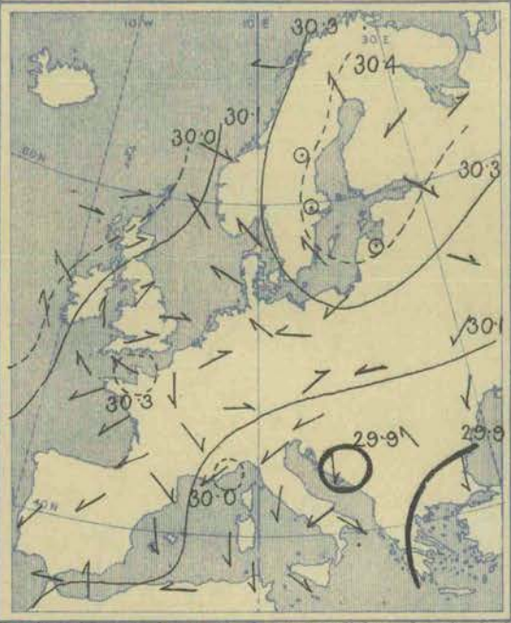
Tuesday, 30th April.

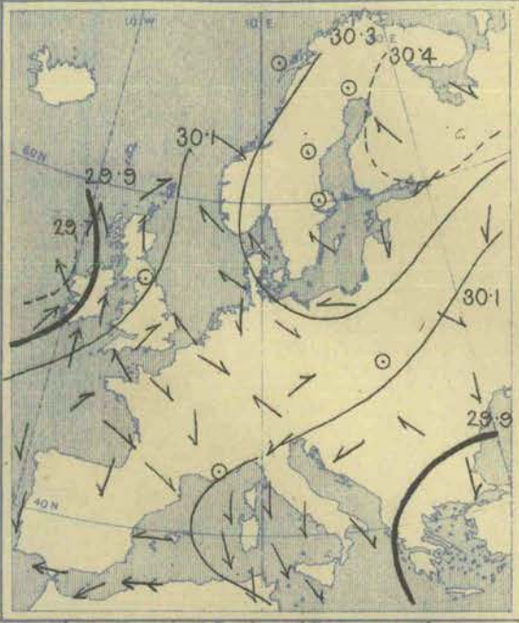
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over northern Europe and Russia and in several parts of the British Islands and the west of France, very foggy in the two Channels and Straits of Dover, variable over the Mediterranean. Rain falling later in the extreme north, the north-west, and south-west of the British Islands, heavily on the shores of the St. George's Channel. Solar halos or parhelia seen in several parts of England, thunderstorms over western Germany, but weather there remaining dry. Fog clearing towards night.

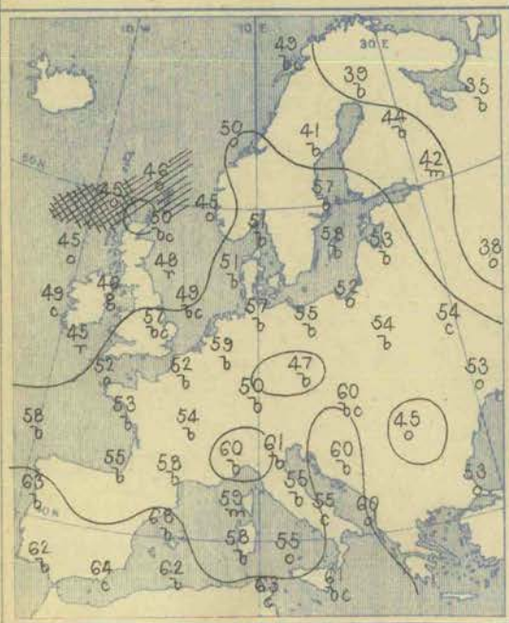
Temperature in morning highest, 66° at Sfax, and exceeding 60° on the southern sides of the Mediterranean generally; 58° at Nice; 56° at Münster, Wisby, and Stockholm, and exceeding 50° at several stations in the United Kingdom and south of France. Lowest, 38° at Archangel, 39° at St. Petersburg and Hernösand, 40° at Haparanda; 41° at La Hève, 44° at Jersey and Dungeness. Rising later to between 60° and 65° over the inland parts of England, 66° at Paris, 68° at Belfort and at the Danish stations, and to 71° at Perpignan, 72° at Cagliari and Palermo, 73° over Spain, 75° in Algeria.

Wind (1) light and anticyclonic over the greater part of Continental Europe, excepting some regions in western Germany and different parts of the Riviera and Italy; (2) Southerly (cyclonic) over Ireland, South-Westerly over Scotland. Increasing greatly in force from between South-West and South-East later on our western and north-western coasts, and blowing a gale at several north-western stations.

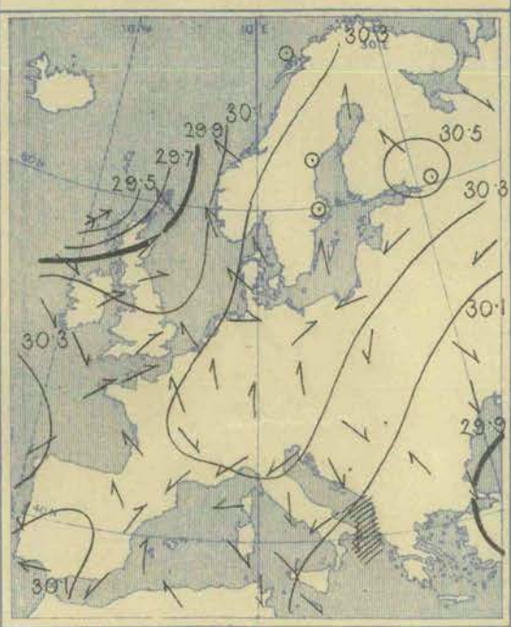
Barometer highest, (1) 30·4 ins. and more to 30·2 ins. over northern Europe and the Baltic; (2) 30·3 ins. to 30·2 ins. over France and the south of England; (3) 30·3 ins. and more over the Azores. Lowest, below 30·0 ins. over the northern parts of Scotland, and apparently below the same value off the west of Ireland. Falling fast in the west later, as a depression approached Ireland from the south-westward.

Wednesday, 1st May.

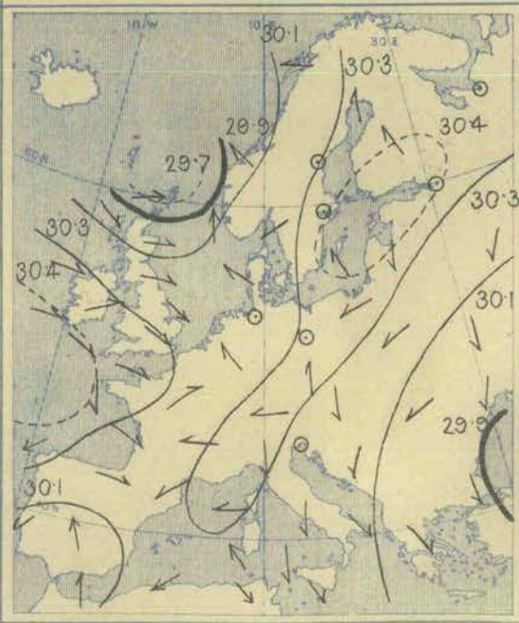
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the whole of the Continent and in most places bright; fine also over the greater part of Ireland; squally and rainy in the north of Scotland, showery over Wales and the west of England. Solar halos seen at some eastern stations. Rain falling later in many parts of the United Kingdom and at Madrid, larger quantities over the eastern shores of the North Sea, thunderstorms occurring in Ireland, in north Germany, and Austria.

Temperature highest, 68° at Barcelona and Palma, 63° at Lisbon, rather above 60° at many other of the more southern stations; exceeding 50° over western and central Europe generally, 60° at Memel, 57° at Stockholm. Lowest, 35° at Archangel, 38° at Moscow, 39° at Haparanda; below 50° over the greater part of the British Islands, and as low as 50° at Florence. Rising later to 57° at York, to 60° and more over our south-eastern countries, 70° at Berlin, 73° at Paris, Lyons, and in Italy, 75° over Spain, 77° at Lisbon. Succeeding night very cold over England.

Wind (1) very light and anticyclonic over Continental Europe generally; (2) North-Westerly on our south-west coasts, South-Westerly to South-Easterly in the east and over the North Sea; (3) strong and cyclonic from South-West over Scotland and the north of Ireland (a gale at Stornoway), but South-Easterly in the Shetlands and west of Norway. Gale shifting to North-West at Stornoway later, and North-Westerly breezes becoming general over the British Isles.

Barometer highest, 30·5 ins. to 30·3 ins. in a large anticyclone covering northern, central, and southern Europe and the Mediterranean, and exceeding 30·3 ins. in a similar system off our south-west coasts. Lowest, below 29·5 ins. in a small deep depression off the north-west of Scotland, and below 30·2 ins. in a "V" shaped secondary over the west of England. The northern depression moving north-eastwards and the secondary system eastward during the day. A new anticyclone spreading over the British Islands from the Atlantic.

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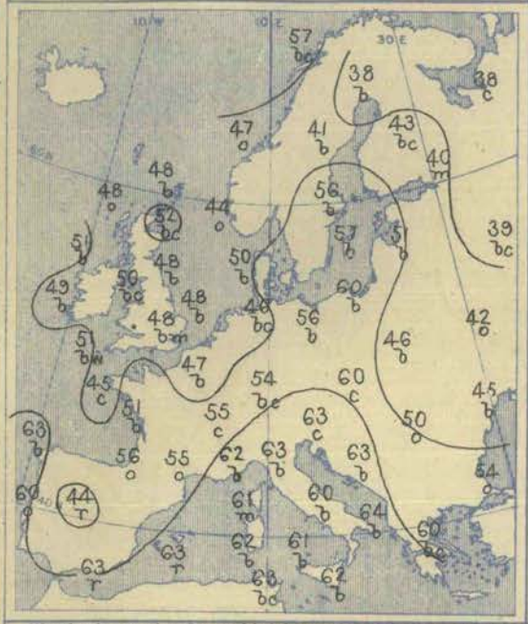
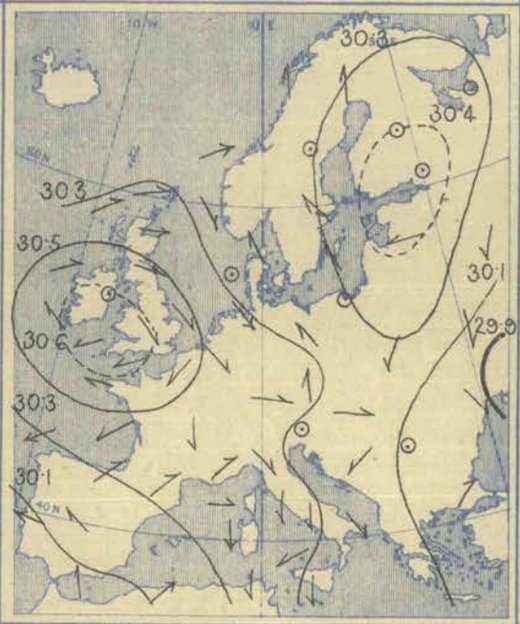
Thursday, 2nd May.

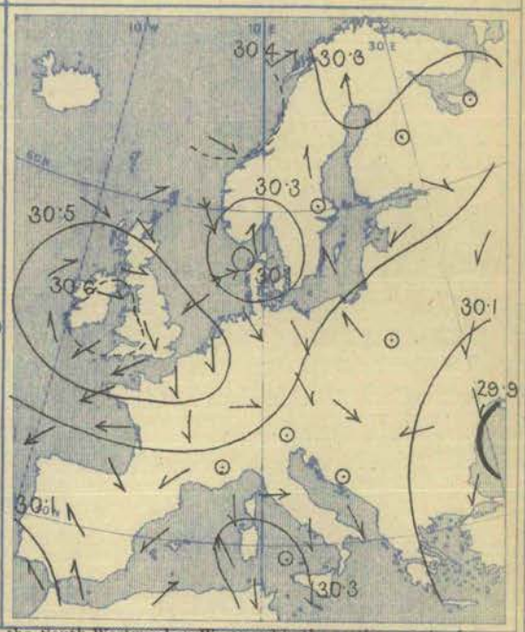
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over our Islands and the Continent generally, dull in Denmark and the south of Norway, as well as in Spain and the south of Russia; rain falling at Fanö, Madrid, and Kharkov. A little rain occurring later at some of the northern Scotch stations, with thunder and hail at Aberdeen; rain falling in several parts of Scandinavia, Denmark, and Germany, as well as at Biarritz, and large quantities over Algeria.

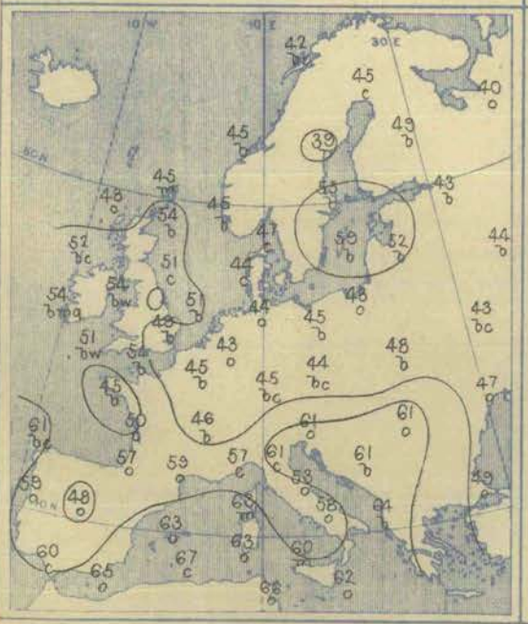
Temperature risen a little in the west and north of our Islands, as well as in Italy and the south of France, fallen in most other localities. Morning readings highest, 66° at Oporto and 64° at Brindisi; slightly above 60° at several of the Mediterranean and Spanish coast stations, and above 55° over north Germany and the Baltic. Lowest, 38° at Archangel and Haparanda, 39° at Moscow, and 40° at St. Petersburg, below 45° at many of the Russian and Swedish stations. Rising later to 60° or more in several parts of Great Britain, to between 65° and 77° over the south of France and south of Italy. Ground frost occurring over the inland parts of Great Britain at night.

Wind light to moderate from the South-Westward or Westward in the northern parts of our Islands, from the North-Westward over the North Sea, the Netherlands, and the south-east of England, and from North-East over the south of our Islands and the northern parts of France. Light to moderate from the South-Eastward over western Russia, the Baltic, and the south of Sweden; Northerly in Italy and the south of Russia; Easterly over the Spanish Peninsula; light from the South-Westward in the south of France. No important change occurring over our Islands and France during day, but Westerly gale springing up at Fanö.

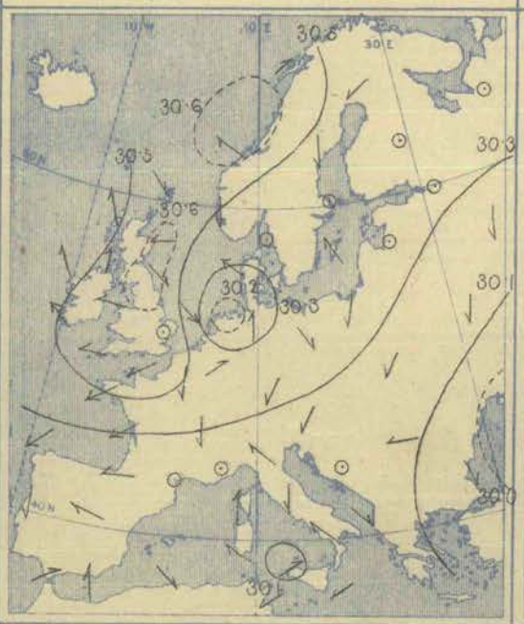
Barometer highest, 30·6 ins. and upwards in an anticyclone lying over the central and southern parts of Ireland and England; 30·4 ins. and upwards in another system over Finland and the Baltic Provinces. Lowest, 29·9 ins. and less in a depression over the south of Russia, 30·1 ins. and less over Morocco and the south of Spain; 30·2 ins. and less in a shallow depression over Denmark. Danish depression subsequently becoming rather deeper and moving slowly in a south-westerly direction towards the Netherlands.

Friday, 3rd May.

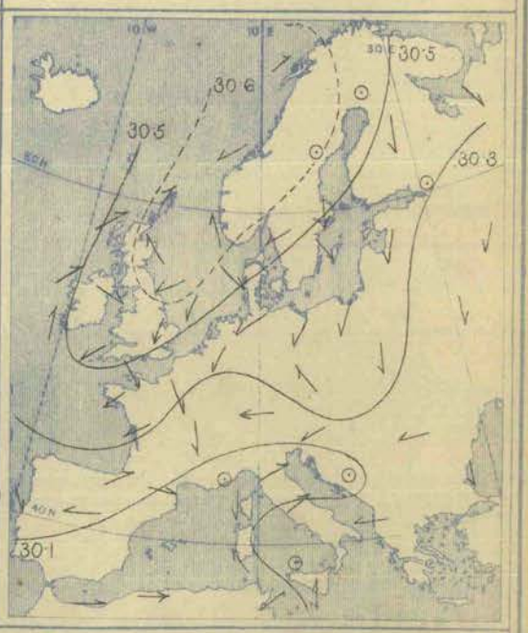
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and some parts of south-eastern Europe, also over the British Islands and their immediate neighbourhood; dull, squally, and unsettled over the Netherlands, rainy at Münster. Some rain falling later in the Netherlands, western Germany, the north-east, south, and south-west of France, with thunderstorms in last-named regions, and weather becoming squally in the south-east of England.

Temperature fallen over Germany and France, not much changed in our Islands, but diurnal range large. Morning readings highest, 67° at Algiers, and exceeding 60° at many of the Mediterranean and Adriatic stations, as well as at Corunna; 59° at Wisby, 56° at Memel, and 54° to 52° at many of our own western stations. Lowest, (1) 40° at Archangel, 43° at St. Petersburg, Kharkov, and Kieff, 45° at Christiansund; (2) 39° at Münster, 43° at Brussels, 45° at Munich. Rising later to between 60° and 65° over our inland districts, to 70° at Rochefort, 75° at Perpignan, Florence, and Rome, and to 77° at Palermo, 81° at Sfax.

Wind light to moderate in force, and mainly anticyclonic in direction over Europe as a whole, but cyclonic and very strong and squally over the Netherlands and Holstein, Northerly and North-Easterly winds, strong to a moderate gale in force, blowing over the south-eastern counties of England and north-east of France later, but wind moderating in the Netherlands.

Barometer highest, 30·6 ins. and more to 30·5 ins. in a complex anticyclonic system covering the whole of the British Islands and the greater part of Norway. Lowest, below 30·0 ins. over the Black Sea and south of Russia; below 30·2 ins. over the Mediterranean and south of Spain; and below 30·2 ins. in a small well-defined depression lying over the Netherlands and advancing south-westwards. Latter system reaching the east of France later, and barometer rising over Holland and the North Sea.

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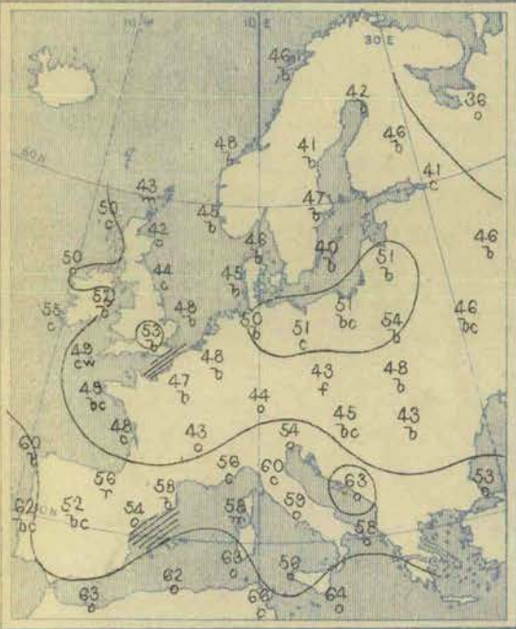
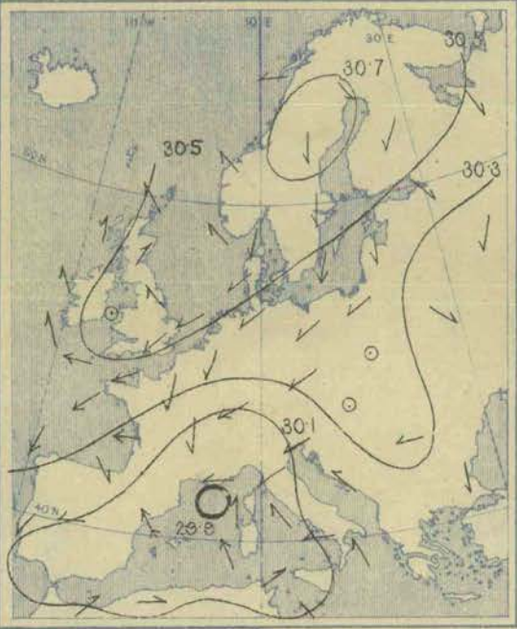
Saturday, 4th May.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather in morning fine and bright over by far the greater part of Europe and the British Islands, but dull on our extreme western coasts and over Scotland, as well as over southern Europe and the Mediterranean; rainy at Biarritz. Rain falling later in large quantities over the south-west of France, and in small quantities at Wiesbaden and Belmullet, but weather very fine and dry over the British Isles as a whole.

Temperature in morning highest, 66° at Sfax, and 60° or more at many of the Mediterranean stations and on the west coast of the Spanish Peninsula; 55° to 59° in the extreme west of our Islands; 59° at Memel, 54° at Warsaw. Lowest, 36° at Archangel, 40° at Wisby, 41° at St. Petersburg and Hernösand, 42° at Uleaborg and at Aberdeen, 44° at Shields, 46° at Oxford. Rising later to between 60° and 64° over the United Kingdom, and to 66° at Rochefort, and touching 75° at Lisbon.

Wind (1) Northerly, light to moderate, over northern Europe, North-Easterly to Easterly over the central and western countries. South-Easterly and Easterly over the northern half of the Mediterranean and Adriatic, Westerly on the Algerian coasts; (2) South-Easterly, light, over Ireland and Norway, Southerly at the Scotch stations, calm over the north of England. No great change later.

Barometer highest, 30·7 ins. and more over the northern part of Sweden, and exceeding 30·4 ins. in a large anticyclone covering northern Europe and the British Islands. Lowest, 29·9 ins. to 30·0 ins. in a shallow depression over the Mediterranean and south of France, and below 30·1 ins. over the south of Russia. Falling a little over western and northern Europe later, but relative distribution of pressure not changing materially.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of the week two anticyclonic systems were advancing over Europe, the one in a north-westerly direction from central Russia, the other north-eastwards from the Atlantic. Fair weather prevailed over a considerable part of the western and northern countries, but, in the south, where the conditions were affected by a coupled depression lying over Italy and Greece, the weather was very unsettled, with heavy rain in places and thunder locally.

On the 29th the Atlantic anticyclone gave way under the influence of a depression which appeared off our western coasts, and, in the course of the next two days, when the disturbance, with "V" shaped subsidiaries, passed north-eastwards, unsettled showery weather was experienced in most parts of our Islands and their immediate neighbourhood.

In the rear of the depression, however, a new anticyclone of considerable height advanced from the westward and gradually spread over all but the extreme southern parts of the Continent. The weather in these regions, therefore, became fair and dry, with North-Easterly winds in most places, but with South-Easterly or Southerly breezes in Ireland and Scotland. Over southern Europe, where the weather was affected by a depression which formed over the Mediterranean, the conditions remained very unsettled, with thunderstorms and heavy rain in many places.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 104.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	38·9	?	37	?	EASTBOURNE	60·0	?	59	?
OSWALDKIRK (Yorkshire)	40·6	?	39	?	MANCHESTER (Oldham Road)	44·8*	?	43*	?
WORKSOP	56·1	+20·6	54	+20	TENBY	56·3*	?	55*	?
THURCASTON (Leicestershire)	57·7	+24·7	55	+22	NEWQUAY	68·5	?	67	?
MARGATE	46·5	?	46	?	TORQUAY	66·3*	?	65*	?
WESTBOURNE (Sussex)	59·2*	?	58*	?	ARLEY COTTAGE (County Cavan)	42·3*	?	41*	?
BRIGHTON	56·4	?	55	?	GUERNSEY	67·4*	?	67*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.
By whom Subscriptions, payable in advance, can be received.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 19.] *Third Series.* WEEK ENDING SATURDAY, MAY 11TH, 1895. [*Price 6d. Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 110.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	74	38	61·0	44·8	52·4	7 above	73	+35	0	− 8	266	+ 22	810	+277
	1. SCOTLAND, EAST	72	30	63·7	40·1	51·2	5 above	72	+23	5	− 1	302	− 38	984	+421
	2. ENGLAND, N.E.	73	34	59·5	41·9	50·2	3 above	58	+11	0	− 4	331	− 1	782	+284
	3. ENGLAND, EAST	76	35	64·9	43·5	53·5	4 above	81	+20	0	− 5	422*	− 1	854	+292
	4. MIDLAND COUNTIES	74	33	68·2	40·7	53·6	5 above	87	+25	4	− 1	432	− 21	933	+379
	5. ENGLAND, SOUTH	76	34	65·1	44·4	54·1	4 above	85	+17	0	− 2	411	− 78	755	+334
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	72	32	64·3	42·4	52·7	4 above	75	+23	0	− 4	331	− 26	778	+339
	7. ENGLAND, N.W.	72	37	64·9	44·5	54·1	5 above	85	+29	0	− 3	340	− 29	725	+306
	8. ENGLAND, S.W.	77	33	64·2	43·9	53·5	4 above	81	+21	0	− 1	400	− 81	654	+338
	9. IRELAND, NORTH	76	34	64·2	44·0	53·6	5 above	81	+26	0	− 3	376	− 73	641*	+273
	10. IRELAND, SOUTH	72	36	62·7	45·1	53·4	3 above	80	+20	0	− 2	440	−114	479	+196
	—CHANNEL ISLANDS	74	43	61·7	48·4	54·7	3 above	89	+23	0	0	484	− 97	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 110.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	0	—	6 less	82	− 8	14·0	− 4·5	52	+ 7	47	+ 6	384	0	28	0
	1. SCOTLAND EAST	0	—	5 less	64	− 8	8·1	− 2·3	79	+35	72	+32	442	+ 66	35	+ 5
	2. ENGLAND, N.E.	1	1	4 less	71	+ 3	9·1	+ 0·9	78	+40	72	+37	495	+103	33	+ 7
	3. ENGLAND, EAST	0	—	4 less	65	− 2	6·8	− 1·2	87	+41	81	+38	527	+ 70	36	+ 5
	4. MIDLAND COUNTIES	0	—	5 less	57	− 7	7·7	− 1·5	85	+45	79	+42	504	+ 96	34	+ 7
	5. ENGLAND, SOUTH	0	—	4 less	54	−10	6·7	− 2·6	81	+38	77	+36	541	+ 60	34	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	less than ½	6 less	71	− 6	9·7	− 8·3	68	+25	63	+23	453	+ 29	30	+ 1
	7. ENGLAND, N.W.	0	—	5 less	62	− 9	9·2	− 1·5	81	+41	76	+38	435	+ 85	33	+ 6
	8. ENGLAND, S.W.	1	less than ½	5 less	62	−10	10·7	− 3·1	81	+33	77	+34	600	+ 96	39	+ 6
	9. IRELAND, NORTH	1	less than ½	5 less	77	− 4	10·0	− 1·9	62	+20	57	+18	440	+ 32	30	+ 1
	10. IRELAND, SOUTH	1	1	5 less	67	− 8	11·9	− 2·3	60	+15	56	+13	493	+ 1	33	0
	—CHANNEL ISLANDS	1	less than ½	5 less	72	− 6	9·4	− 2·3	81	+23	78	+24	658	+107	46	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was exceedingly fine and bright over the United Kingdom as a whole, but mist or fog was experienced occasionally at some of our southern and western coast stations.

Temperature was above the mean, the excess ranging from 3° in England N.E., Ireland S., and the Channel Islands, to 5° in Ireland N. central and north-western England, as well as in Scotland E. and Ireland N., and to as much as 7° in Scotland N. The highest of the maxima were recorded on the 9th over England, but earlier in the week over Ireland and Scotland; they ranged from 77° in England S.W. and 76° in England E., England S., and Ireland N., to 72° in Scotland E. and W., England N.W., and Ireland S. The lowest of the minima were registered during the earlier part of the week, and ranged from 30° in Scotland E. and 32° in Scotland W. to 38° in Scotland N. and to 43° in the Channel Islands.

Rainfall was entirely absent from nearly the whole of Great Britain, but a very slight fall occurred at several of the western stations and in England N.E.

Bright Sunshine was very abundant, especially over England and in the east of Scotland. The percentage of the possible duration ranged from 47 in Scotland N., and from 56 to 57 in Ireland, to 79 in the Midland Counties, and to 81 in England E.

Barometer and Wind.—During nearly the whole of this period the distribution of pressure over our Islands was anticyclonic. During the earlier part of the week the barometer was highest over Scandinavia, the winds being Easterly in the south and Southerly or South-Easterly in the west. Later on, however, after shallow depressions had moved northwards over the Kingdom, pressure became highest over France and our southern counties, and the winds mainly from between South and West.

607 1 | 90 W. & S., Ltd.
213 70 5 | 95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 109 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	41	54·1	43·6	48·5	+ 4·7	46	0	0	—	−0·40	*	*	*	*
	Stornoway	69	43	60·7	45·6	52·8	+ 7·0	76	0	1	0·02	−0·56	48·2	+ 6·6	44	+ 6
	Wick	62	44	57·4	45·4	51·0	+ 5·3	63	0	0	—	−0·40	*	*	*	*
	Glencarron §	72	39	64·7	45·0	54·3	+ 8·6	86	0	0	—	−1·00	*	*	*	*
	Fort Augustus §	74	38	64·1	44·0	53·4	+ 7·1	80	0	1	0·03	−0·45	45·5	?	41	?
	Fort William §	73	40	64·8	45·3	54·5	+ 6·7	88	0	0	—	−0·78	60·5	?	55	?
1. SCOTLAND, E.	Nairn	72	37	67·7	41·1	53·6	+ 6·1	85	3	0	—	−0·32	*	*	*	*
	Aberdeen	59	37	56·4	41·3	48·4	+ 1·7	48	2	1	0·01	−0·47	76·3	+35·1	60	+32
	Braemar §	64	20	62·1	35·0	47·7	+ 3·4	69	20	0	—	−0·52	79·3†	?†	72†	?†
	Ochtertyre §	70	35	67·4	40·3	53·0	+ 6·6	84	5	0	—	−0·55	*	*	*	*
	Leith	70	39	63·7	41·6	52·0	+ 3·8	72	1	0	—	−0·40	*	*	*	*
	Marchmont §	68	37	65·0	41·1	52 3	+ 6·5	76	3	1	0·03	−0·50	82·0	?	75	?
2. ENGLAND, N.E.	Alnwick Castle	59	34	54·9	39·1	46·5	+ 0·7	44	3	1	0·05	−0·48	*	*	*	*
	Durham	69	34	63·6	40·4	51·3	+ 4·5	72	4	1	0·22	−0·25	74·4	+37·4	68	+33
	Shields	60	39	56·0	42·0	48·6	+ 1·9	46	0	1	0·08	−0·32	*	*	*	*
	Scarborough M	62	37	58·0	41·4	49·2	+ 1·5	53	2	0	—	−0·42	*	*	*	*
	York	73	39	69·7	42·7	55·4	+ 6·5	94	0	1	0·02	−0·42	84·0	+43·1	78	+41
	Spurn Head	59	42	54·7	46·0	50·1	+ 2·2	57	0	0	—	−0·33	*	*	*	*
3. ENGLAND, E.	Hillington M	72	36	66·4	43·6	54·3	+ 5·1	86	0	0	—	−0·42	85·4	+39·9	80	+37
	Yarmouth	64	44	56·3	46·6	51·2	+ 2·8	64	0	1	0·02	−0·41	*	*	*	*
	Geldeston	71	39	64·1	44·0	53·4	+ 4·3	80	0	0	—	−0·49	87·3	+37·4	82	+34
	Cambridge	76	35	71·0	41·1	55·2	+ 5·0	96	3	0	—	−0·41	88·3	+45·3	83	+40
	Rothamsted	70	38	63·6	42·0	53·6	+ 4·6	81	0	0	—	−0·52	84·8	?	80	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall	72	38	60·1	40·4	53·9	+ 4·5	90	4	0	—	−0·44	*	*	*	*
	Loughborough	74	35	69·3	40·1	54·8	+ 3·6	91	5	0	—	−0·48	*	*	*	*
	Stamford (Ketton Ha	74	35	69·7	40·4	54·2	+ 3·8	92	4	0	—	−0·54	*	*	*	*
	Cheadle M	69	37	66·0	43·2	53·9	+ 6·3	83	0	0	—	−0·52	*	*	*	*
	Solihull	70	34	66·9	40·4	52·9	+ 3·7	83	4	0	—	?	*	*	*	*
	Churchstoke M	70	33	66·7	37·8	51·4	+ 4·0	83	12	0	—	−0·46	78·3	+38·3	73	+35
	Hereford M	73	36	69·3	49·5	54·0	+ 4·4	90	4	0	—	−0·47	*	*	*	*
	Cirencester	70	36	68·0	41·0	53·7	+ 5·1	86	3	0	—	−0·49	88·0	+45·5	83	+43
	Oxford	73	37	68·9	42·4	54·9	+ 4·8	90	0	0	—	−0·45	85·7	+44·0	81	+42
5. ENGLAND, S.	London	76	40	69·9	44·9	56·7	+ 5·2	103	0	0	—	−0·43	80·3†	+41·3†	76†	+39†
	North Foreland	64	43	58·4	46·3	52·0	+ 2·5	70	0	0	—	?	*	*	*	*
	Strathfield Turgiss M	75	34	70·9	39·4	54·2	+ 3·8	96	7	0	—	−0·42	*	*	*	*
	Dungeness	61	40	58·4	45·0	51·3	+ 0·9	65	0	0	—	−0·40	*	*	*	*
	Hastings (St. Leonards)	68	43	63·8	46·6	54·7	+ 4·0	89	0	0	—	−0·40	84·8	+34·7	81	+33
	Southampton	75	39	70·0	44·6	56·5	+ 5·2	102	0	0	—	−0·49	84·4	+38·7	80	+36
	Hurst Castle	67	42	62·9	46·1	54·0	+ 3·6	84	0	0	—	−0·41	*	*	*	*
	Stowell M	74	36	66·3	42·1	53·5	+ 4·2	81	0	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	72	44	65·2	47·2	55·7	+ 7·2	96	0	1	0·01	−0·85	*	*	*	*
	Glasgow	68	42	64·9	43·2	53·4	+ 5·2	80	0	1	0·02	−0·50	57·4	+21·5	53	+21
	Ardrossan	72	43	63·9	44·3	53·5	+ 4·4	81	0	1	0·06	−0·46	*	*	*	*
	Glenlee §	72	32	66·2	35·0	49·7	+ 2·7	83	20	0	—	−0·67	*	*	*	*
	Douglas (Isle of Man)	68	36	61·3	42·2	51·2	+ 2·7	64	0	0	—	−0·50	78·9	+29·1	73	+26
7. ENGLAND, N.W.	Stonyhurst	68	39	64·1	43·1	53·0	+ 4·1	77	0	0	—	−0·53	87·5	+46·0	81	+43
	Blackpool M	72	37	66·4	42·0	53·5	+ 4·3	81	0	0	—	−0·41	84·8	+40·8	78	+37
	Manchester (Prestwich)	71	38	67·3	44·6	55·3	+ 6·9	93	0	0	—	−0·50	77·9	?	72	?
	Liverpool Obsy. (Bidston)	71	42	65·9	46·0	55·4	+ 5·7	94	0	0	—	−0·40	*	*	*	*
	Llandudno M	71	43	63·7	45·7	54·2	+ 4·2	85	0	0	—	−0·42	80·8	+38·8	76	+36
	Holyhead	70	43	61·9	45·4	53·2	+ 3·5	78	0	0	—	−0·43	*	*	*	*
8. ENGLAND, S.W.	Llandovery	77	33	70·6	39·0	53·9	+ 4·8	96	8	0	—	−0·64	*	*	*	*
	Pembroke	68	43	60·0	45·4	52·3	+ 3·1	72	0	0	—	−0·45	74·7	+26·4	70	+25
	Bristol (Montpelier)	74	39	67·1	43·4	55·5	+ 5·3	95	0	1	0·01	−0·53	*	*	*	*
	Arlington (N. Devon)	69	38	64·6	42·3	52·8	+ 4·4	76	0	2	0·16	−0·50	*	*	*	*
	Cullompton M	72	37	65·4	43·2	53·6	+ 4·0	81	0	0	—	−0·52	76·9	+35·9	73	+34
	Falmouth	65	42	59·4	46·6	52·6	+ 2·0	74	0	0	—	−0 65	86 1	+39·0	83	+38
	Plymouth	70	39	64·0	45·5	54·2	+ 2·4	85	0	1	0·01	−0·47	85·5	+40·2	82	+38
	Prawle Point	67	42	60·4	46·1	52·8	+ 3·2	76	0	0	—	−0·38	*	*	*	*
9. IRELAND, N.	Malin Head	70	45	62·9	47·9	55·0	+ 5·3	91	0	1	0·04	?	*	*	*	*
	Londonderry	76	43	70·4	45·7	57·3	+ 7·6	107	0	0	—	−0·51	*	*	*	*
	Edenfel (Omagh)	66	39	64·4	42·6	52·9	+ 4·8	76	0	0	—	−0·49	*	*	*	*
	Belmullet	72	45	62·7	45·0	54·9	+ 4·0	90	0	2	0·02	?	*	*	*	*
	Markree Castle	70	36	65·5	41·9	53·0	+ 4·6	77	0	1	0·04	−0·45	62·8	+21·3	58	+19
	Brookeborough	72	38	66·4	42·8	53·9	+ 6 0	83	0	0	—	−0·56	*	*	*	*
	Armagh	69	34	63·3	42·1	52·3	+ 3·9	72	0	1	0·01	−0·47	60·0	+19·5	56	+18
	Donaghadee	62	36	57·9	44·1	50·6	+ 1·9	60	0	0	—	−0·50	*	*	*	*
	Edgeworthstown	67	37	64·4	41·2	52·1	+ 3·9	74	2	1	0·03	−0·49	*	*	*	*
10. IRELAND, S.	Dublin	64	41	61·5	45·5	53·0	+ 2·7	77	0	0	—	−0·46	66·1	+19·5	62	+18
	Parsonstown	72	36	66·3	43·3	54·1	+ 4·9	85	0	1	0·02	−0·46	58·4	+16·2	55	+15
	Kilkenny	68	38	64·1	43·1	53·0	+ 3·4	77	0	0	—	−0·45	*	*	*	*
	Roche's Point	64	42	59·0	46·9	52·6	+ 1·6	74	0	0	—	−0·73	*	*	*	*
	Valencia	63	37	61·0	45·1	52·6	+ 1·9	74	0	2	0·21	−0·57	54·0	+ 8·5	51	+ 7
	Killarney												*	*	*	*
	Foynes	70	42	64·2	46·6	54·9	+ 4·8	90	0	2	0·06	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	63	48	58·3	49·0	53·4	+ 2·3	80	0	0	—	−0·45	79·7	?	77	?
	Jersey	74	43	65·1	47·7	55·9	+ 4·0	97	0	1	0·01	−0·44	†78·5	†+25·7	176	†+24

Stations marked M are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

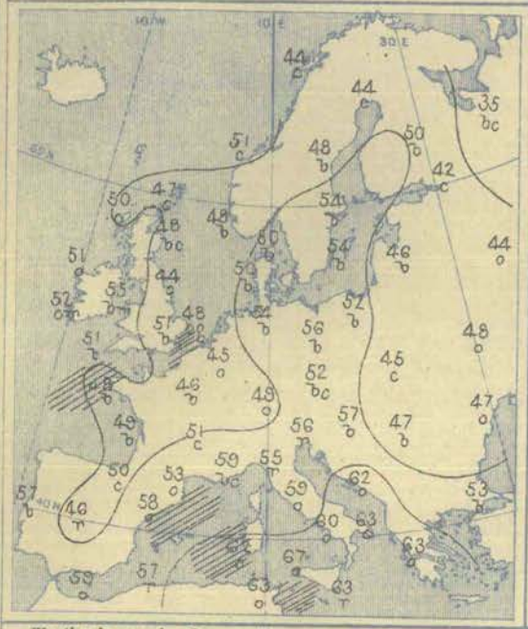
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 5th May.

Temperature and Weather.

8 a.m.

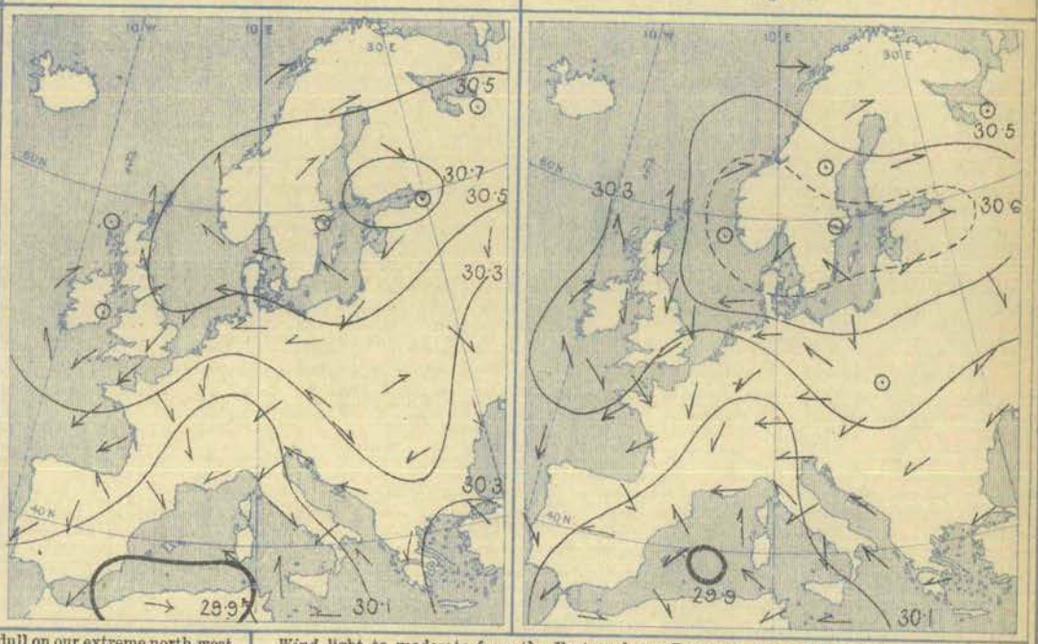


Weather in morning fine over the greater part of our Islands, but dull on our extreme north-west, north, and south-east coasts, with rain in the Straits of Dover. Fine and bright in all the more northern and central parts of the Continent; dull in most of the southern countries, with rain at Madrid and Leghorn, as well as at Malta and Algiers. Heavy rain falling later over northern Italy and the south of France, as much as 1·5 ins. at Cette. Thunder and hail occurring at Servance; aurora seen at Wick.

Temperature risen in most places. Morning readings highest, 68° at Sfax, 67° at Palermo, and 63° at Brindisi, Patras, and Tunis; above 55° at most of the Mediterranean and Spanish coast stations, and just touching that point in the south of Scotland. Lowest, (1) 35° at Archangel, 42° at St. Petersburg, and 44° at Bodö, Haparanda, and Moscow; (2) 44° at Shields and 45° at Loughborough. Rising during day to 60° and upwards in several of the more central parts of our Islands and reaching 64° at Parsonstown. Rising to between 65° and 70° in most parts of southern Europe, the highest readings of all being 75° at Croisette and 74° at Gap.

Barometer and Wind.

8 a.m. 6 p.m.



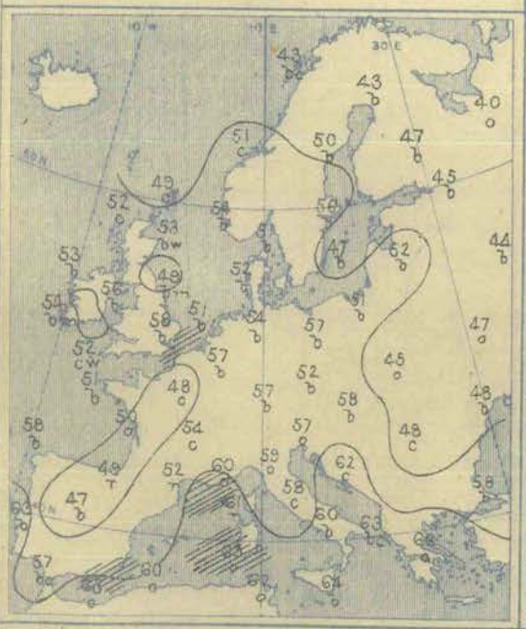
Wind light to moderate from the Eastward over Denmark, the Baltic, and the south of Scandinavia, and from the North-Eastward over Germany, France, Spain and the greater part of England. Light from the South-Eastward or Southward in Ireland and Scotland, and from the South-Westward in the north of Scandinavia. Variable over Italy, Austria, and the south of Russia. Easterly or North-Easterly breezes setting in later over the countries last-mentioned; no decided change occurring elsewhere.

Barometer highest, 30·7 ins. and upwards over the Gulf of Finland; 30·4 ins. and upwards in an anticyclone covering the whole of northern Europe and extending south-westwards over the greater part of the United Kingdom. Lowest, 29·9 ins. and less in a shallow depression lying over and to the northward of Algeria; 30·1 ins. and less in another shallow area over the south of Russia. Algerian depression subsequently moving northwards; anticyclone tending to give way, and barometer falling a little in most countries.

Monday, 6th May.

Temperature and Weather.

8 a.m.

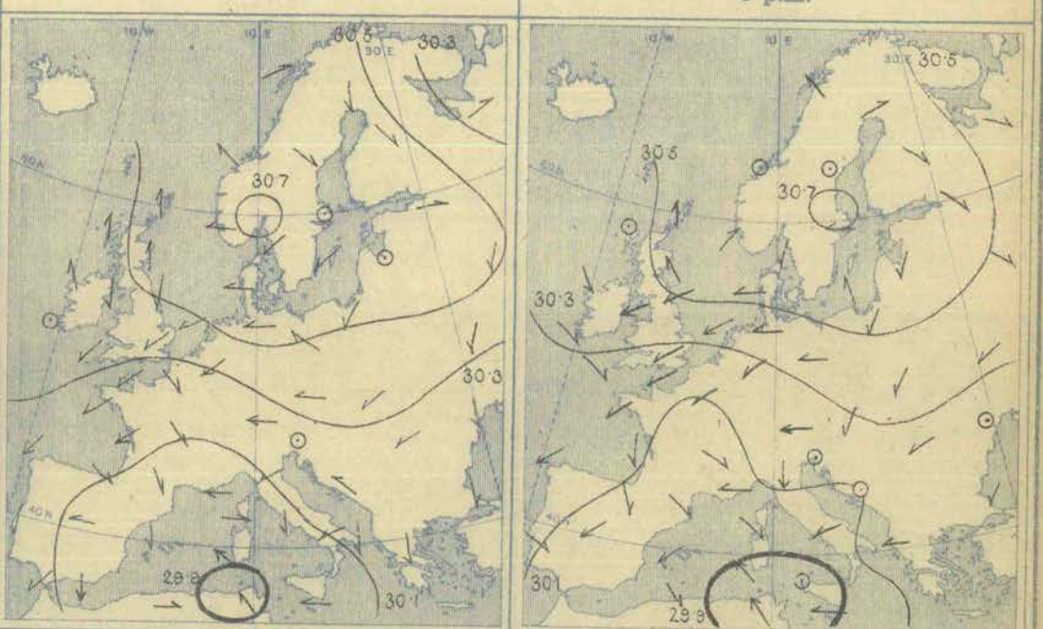


Weather in morning fine and bright over our Islands and the Continent generally, but dull over northern Italy and rainy in the south of France. Heavy rain falling during day in the last-mentioned region, as well as at some of the Mediterranean stations, with thunder and lightning in places. Weather remaining fine and dry in all parts of western and northern Europe.

Temperature risen in most places. Morning readings highest, 67° at Sfax, 66° at Patras, 64° at Malta, and 63° at Lisbon, Oran, Cagliari, and Brindisi; above 55° in most parts of southern Europe, as well as in the inland parts of the south-east of England. Lowest, 40° at Archangel, 43° at Bodö and Uleaborg, 44° at Moscow, and 45° at St. Petersburg, Lemberg, Kharkov, and Nicolaieff. Rising during day to 70° and upwards in many parts of the United Kingdom, France, and southern Europe, and reaching 77° at Rome and Palermo; remaining below 60° in the south of France and below 55° on the east and south-east coasts of England.

Barometer and Wind.

8 a.m. 6 p.m.

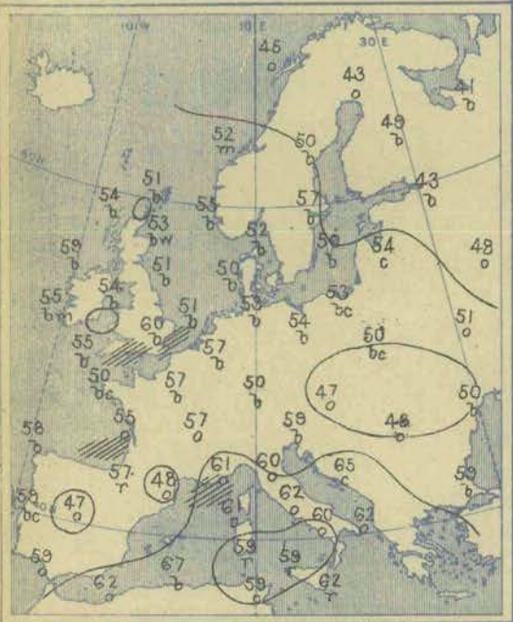


Wind light to moderate from the Eastward or North-Eastward over the greater part of western, central, and eastern Europe, but variable in Ireland, and Southerly in the north of Scotland. North-Westerly over the northern parts of Russia and Scandinavia, Northerly or North-Westerly in Spain; variable, but chiefly Southerly or South-Easterly over Algeria, and the western parts of the Mediterranean. No important change occurring during day.

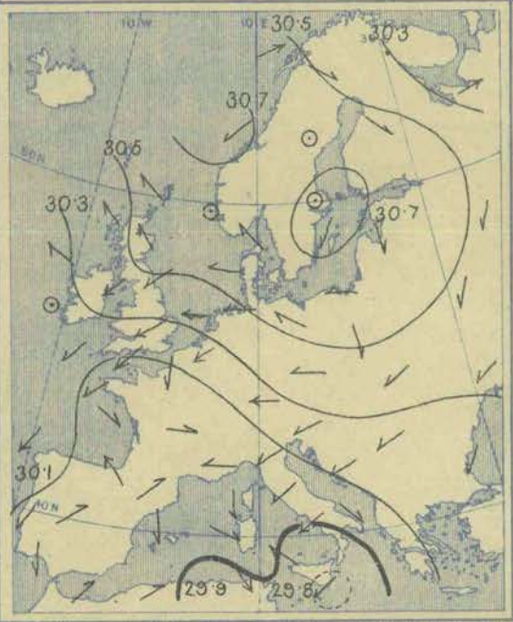
Barometer highest, 30·6 ins. to 30·7 ins. over Scandinavia, the Gulf of Finland, and the Baltic Provinces. Lowest, 30·0 ins. and less in a rather complex depression with several distinct minima lying over the western parts of the Mediterranean and the adjacent portions of France, Spain, and Algeria. Slight fall of barometer taking place over western Europe later, but general distribution of pressure remaining unchanged.

Tuesday, 7th May.

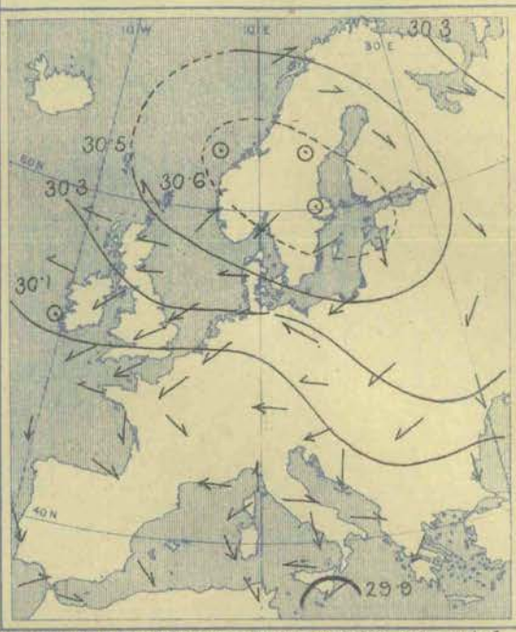
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over our Islands and all but the southern parts of the Continent. Dull in Spain and Italy; rainy in the south of France, as well as at several of the Mediterranean stations. No important change occurring over western Europe during day, but heavy rain falling in the south of France, with thunderstorms at Clermont and Lyons.

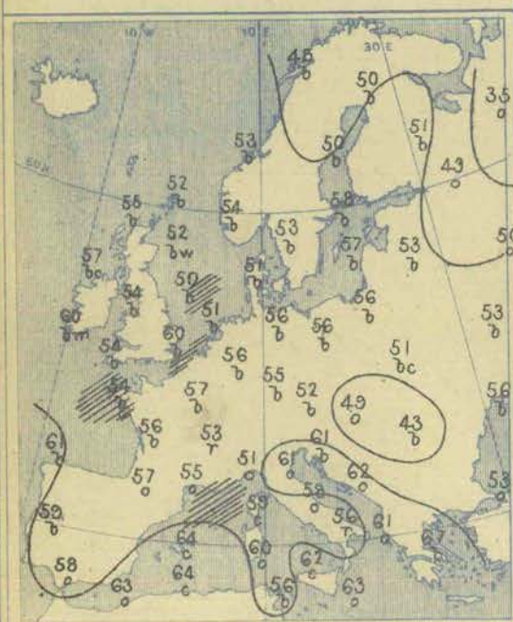
Temperature risen at all but the German and Austrian stations. Morning readings highest, 67° at Algiers, 65° at Lésina, and 62° at Rome, Brindisi, Malta, and Oran, above 55° in many parts of our Islands and France, as well as at some of the Baltic stations. Lowest, (1) 41° at Archangel, 43° at Uleaborg and St. Petersburg, and 45° at Bodö; (2) 46° at Pembroke, and 49° at Wick. Rising during day to 70° or a little above at some of the more central stations in our Islands, but remaining below 55° on the east coast of England. Exceeding 70° in many parts of France and southern Europe, reaching 75° at Paris and Lorient, and 76° at Le Mans.

Wind moderate to fresh from the East and North-East over England and the greater part of central and southern Europe. Light from the South-Eastward over the northern parts of Ireland and Scotland, Westerly over the northern parts of Scandinavia and Russia. Northerly on the Portuguese coasts, variable over Algeria and the Mediterranean. Subsequently shifting to the Eastward in Ireland and Scotland, and becoming very variable in Italy; no important change occurring elsewhere.

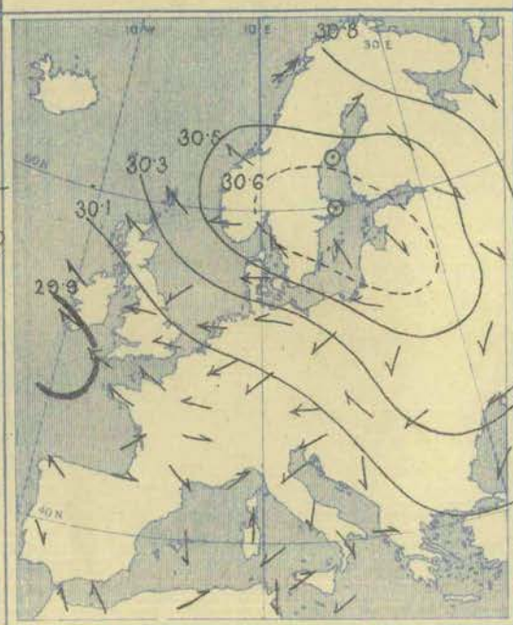
Barometer highest, 30·6 ins. to 30·7 ins. and upwards over Scandinavia, Finland, and the Baltic Provinces. Lowest, 29·8 ins. and less in a small depression over Malta, 30·0 ins. and less in a large and irregularly shaped area covering Algeria and the central parts of the Mediterranean, and extending northwards over the south of France. Slight fall of barometer taking place over western Europe during day, but general distribution of pressure remaining unchanged.

Wednesday, 8th May.

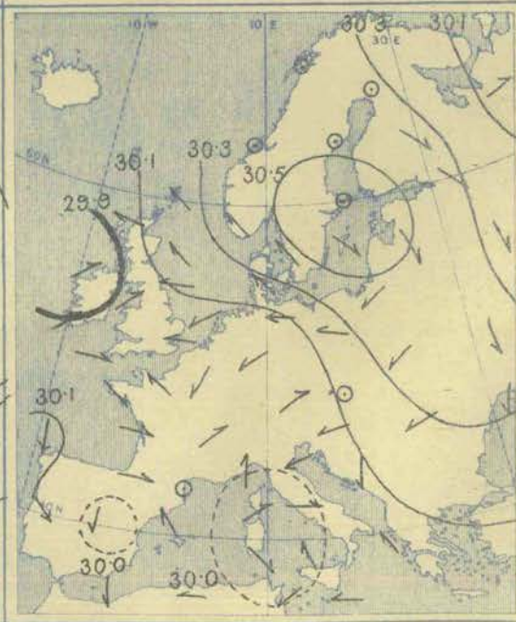
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over our Islands and all but the southern European countries, cloudy or overcast in Italy, Austria, and the south of France, with rain at Lyons and Naples. Subsequently becoming cloudy in the western parts of the United Kingdom; solar and lunar halos seen at Jersey, and a lunar halo at Oxford. Thunder and lightning occurring at Prawle Point, and thunderstorms with rain at Cuxhaven and Lyons. Heavy rain falling at Naples and Tunis.

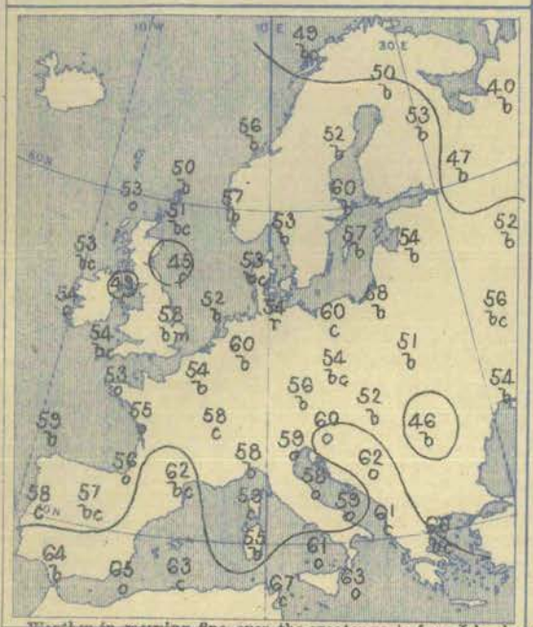
Temperature fallen a little in the west and north of our Islands; risen in Russia, changed irregularly elsewhere. Morning readings highest, 67° at Oporto and Patras, 65° at Barcelona, and 64° at Palma and Algiers; above 60° at several of the Mediterranean stations, and just touching that point in London and at Jersey. Lowest, (1) 35° at Archangel, 43° at St. Petersburg, 47° at Uleaborg, and 48° at Bodö; (2) 48° at Donaghadee, and 50° at Wick, Shields, and Malin Head. Rising during day to 70° or a little more at several stations over England, France, and southern Europe, and reaching 77° at Palermo; not exceeding 55° on the eastern coasts of Great Britain.

Wind moderate to fresh from the Eastward over Ireland, England, and all the more central parts of the Continent; South-Easterly or Southerly in the north of Scotland; South-Westerly in the north of Scandinavia; North-Westerly in the north of Russia, North-Easterly in the south of Russia. Variable over southern Europe and the Mediterranean. Subsequently veering to the Southward on our north-west coasts, and to the South-Westward or Westward in the south-western parts of the United Kingdom.

Barometer highest, 30·6 ins. and upwards over the south of Sweden, the Baltic, and the neighbouring parts of Russia. Lowest, 29·9 ins. and less in a shallow depression lying off our south-west coasts, 30·0 ins. and less in a large and complex area covering France, Italy, and the greater part of the Mediterranean. Depression in south-west subsequently moving steadily northwards along our western coasts; shallow secondary disturbances advancing northwards over France.

Thursday, 9th May.

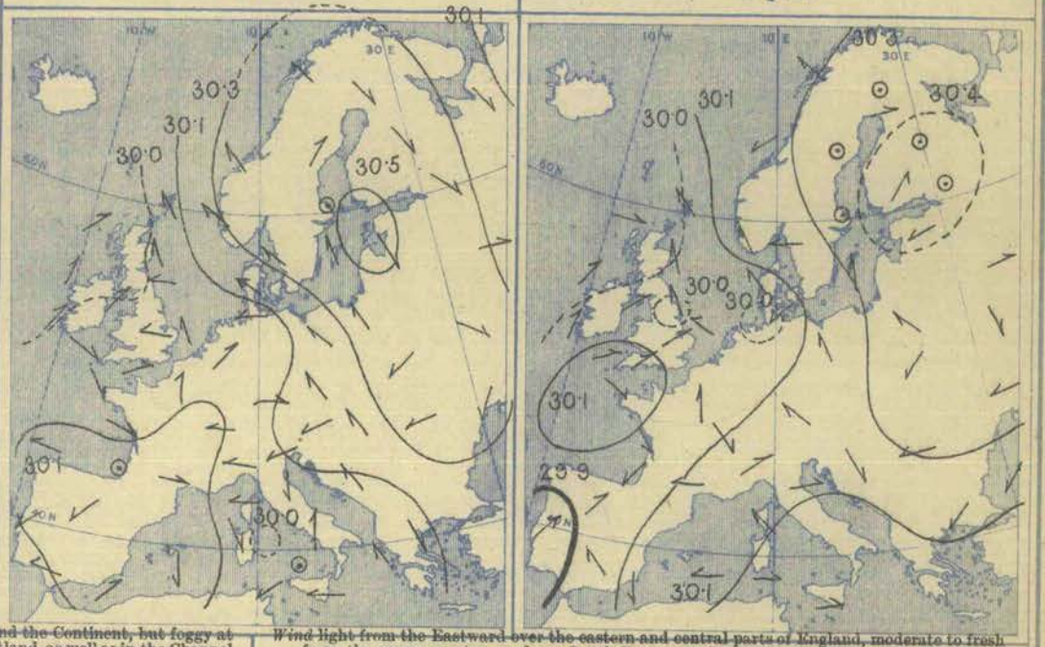
Temperature and Weather. 8 a.m.



Weather in morning fine over the greater part of our Islands and the Continent, but foggy at Shields, Holyhead, and Pembroke. Dull in the north of Scotland, as well as in the Channel Islands, the west of France, and the greater part of Italy; rain falling at Jersey and also at Pesaro. Showers occurring later at some of our northern and eastern stations, as well as at Valencia (Ireland), and in several parts of the London district. Solar halos seen at Oxford and Jersey. Thunderstorms occurring at Fanö, Clermont, and in many parts of Germany.

Temperature risen in most of the eastern countries, but changed irregularly elsewhere. Morning readings highest, (1) 67° at Sfax, 65° at Barcelona and Oran, and 64° at Bilbao and San Fernando; (2) 63° at Nairn (above 55° in several parts of Great Britain). Lowest, (1) 40° at Archangel, 47° at Uleaborg and St. Petersburg, and 49° at Bodö; (2) 45° at Shields, and 47° at Wick and Leith. Rising during day to 70° and upwards over the central parts of Great Britain and France, as well as in Spain and Austria, but remaining below 60° at most of our own coast stations.

Barometer and Wind. 8 a.m. and 6 p.m.

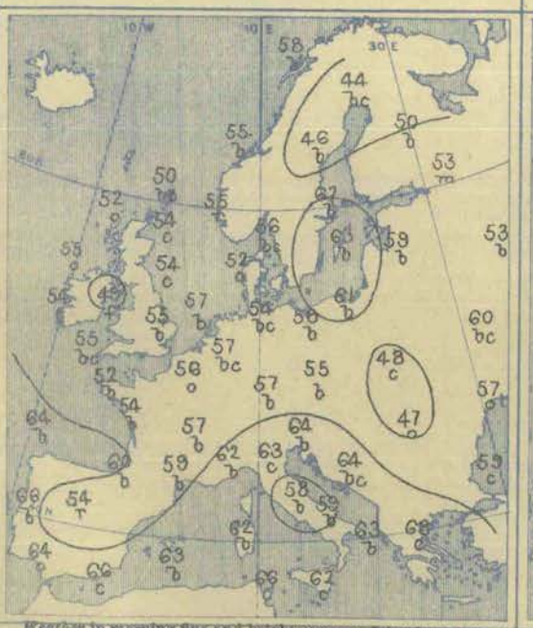


Wind light from the Eastward over the eastern and central parts of England, moderate to fresh from the same quarter or from South-East over Denmark, Germany, and the Baltic. Southerly in Ireland and the north of Scotland. Westerly or North-Westerly over the south-west of England and the west of France, Southerly over Belgium and the north-east of France. Light from the Northward (North-West to North-East) at most of the Russian stations; variable in Italy and the south of France; North-Easterly or Easterly over the Spanish Peninsula. Subsequently shifting to the South-West in the south-east of England, no important change occurring elsewhere.

Barometer highest, 30·4 ins. to 30·5 ins. and upwards in a large anticyclone covering Scandinavia and the western parts of Russia. Lowest, 30·0 ins. and less in an irregularly formed area of low pressure lying over the north-western parts of the United Kingdom, and also in a small shallow depression over the eastern parts of the English Channel. Small depression subsequently advancing northwards over England, but filling up towards night.

Friday, 10th May.

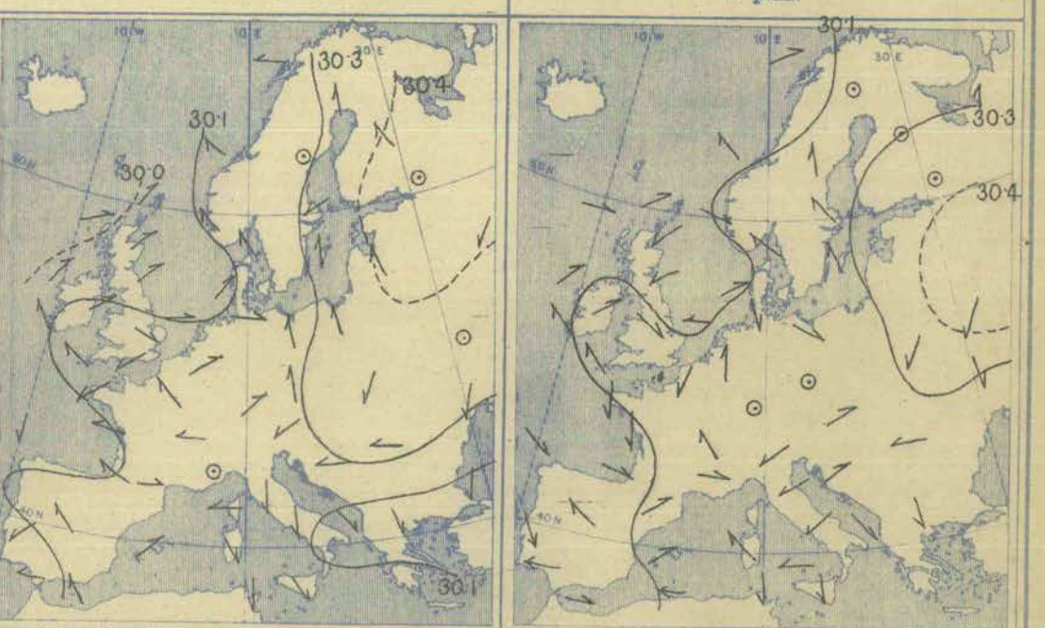
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over our Islands and the Continent generally. Dull on our extreme north-west coasts, as well as in the south of Norway, with rain at Skudesnaes and also at Copenhagen; cloudy over the central and southern parts of Spain, with rain at Madrid. Very little change occurring during day, but slight rain falling at Valencia (Ireland) and in Germany; solar halo seen at Oxford and bright aurora at Wick. Thunderstorms reported over north Germany, as well as at Biarritz and Bilbao; lightning seen at Clermont.

Temperature fallen a little in many parts of western Europe, but changed irregularly elsewhere. Morning readings highest, 70° at Oporto, 68° at Palma and Patras, and 67° at Barcelona; above 60° in many parts of southern Europe, and also at some of the Baltic stations, and as high as 59° at Leith. Lowest, (1) 44° at Haparanda, 46° at Hernösand, and 50° at Kuopio; (2) 49° at Holyhead and 50° at Sumburgh Head and Parsonstown. Rising during day to between 65° and 70° over the central parts of Great Britain, and reaching 71° at Cambridge; exceeding 70° in most parts of central and southern Europe, and reaching 81° at Oporto

Barometer and Wind. 8 a.m. and 6 p.m.



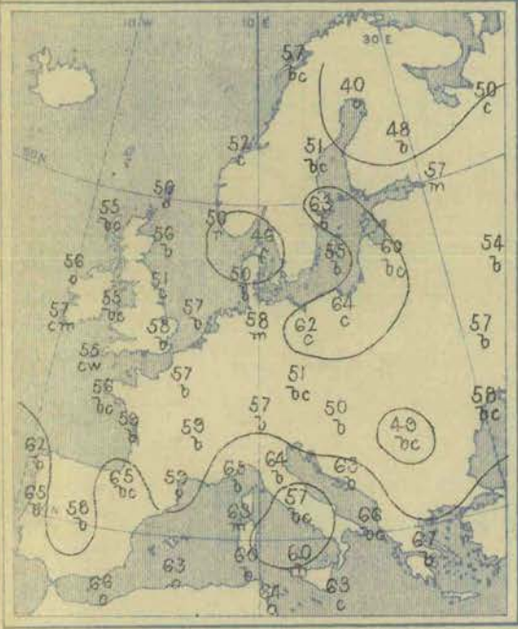
Wind light from Southward in Ireland, from the South-Westward over Great Britain and the Netherlands, and from the South-Eastward over Norway, Denmark, Germany, and the Baltic. Easterly or South-Easterly over the greater part of France and Spain; Northerly or North-Westerly in Italy; North-Easterly in the extreme south of Russia. No important change occurring over western Europe during day.

Barometer highest, 30·4 ins. and upwards over the northern and central parts of Russia. Lowest, 30·0 ins. in a shallow depression lying off our extreme north and north-west coasts; 30·1 ins. and less in another shallow system over Asia Minor, Greece, and the extreme south of Italy. Slight rise of barometer taking place during day over north-western Europe generally, but slight fall in France and the south-west of Ireland; general distribution of pressure remaining unaltered.

Saturday, 11th May.

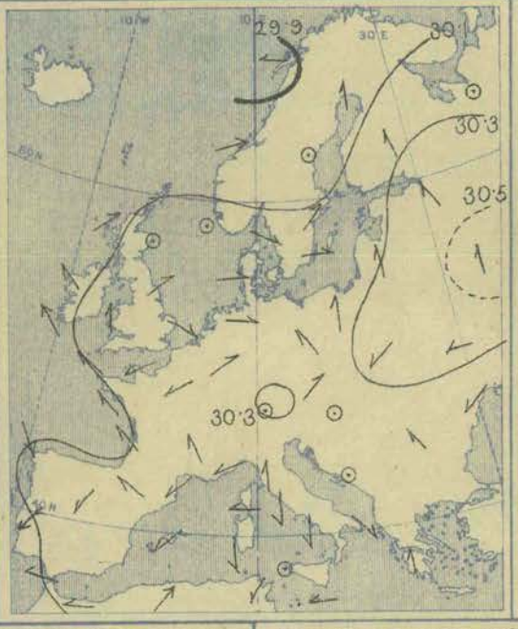
Temperature and Weather.

8 a.m.

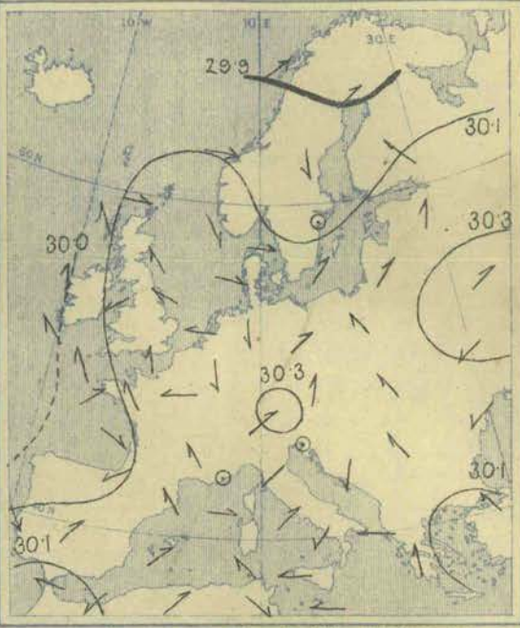


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over our Islands and the Continent generally, but dull in the extreme north of Scotland, as well as at some of the Irish stations, with rain at Parsonstown. Rain falling also at Skudesnaes. A little rain occurring later in many parts of Ireland and also in isolated parts of Scandinavia and Germany; a solar halo seen at Jersey during day, and thunder heard there at night. Thunderstorms occurring over Austria and south Germany.

Temperature risen in most parts of our Islands, France, and Spain, but changed irregularly elsewhere. Morning readings highest, 69° at Palma, 68° at Toulon, Barcelona, and San Fernando, and 67° at Patras; above 60° at the Mediterranean, Adriatic, and Spanish coast stations generally, and above 55° in many parts of the United Kingdom. Lowest, 40° at Haparanda, 46° at Skagen, 45° at Kuopio, and 50° at Archangel, Skudesnaes, Fanö, and Sumburgh Head. Rising during day to between 70° and 74° over the inland parts of England, and to 75° or more over France and many parts of southern Europe; remaining below 60° at several of our own coast stations and not exceeding 53° at Donaghadee.

Wind light and variable over the eastern and central parts of Great Britain; South-Easterly on the west coasts of our Islands and France, and strong in force at Valencia (Ireland). South-Westerly in the Shetlands and Hebrides and also in many parts of Scandinavia, and Westerly in Denmark, but Southerly or South-Easterly over the Baltic and western Russia. Light and variable over central Europe, but chiefly Northerly in Italy and North-Easterly in Spain. Light Southerly or South-Easterly breezes setting in later over the eastern parts of Great Britain; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards over central Russia; 30·2 ins. and upwards in an anticyclone covering nearly all the more eastern, central, and southern parts of the Continent and extending westwards over England. Lowest, 29·9 ins. and less in a shallow depression lying off the north-west of Norway; 30·0 ins. and less in another shallow system off the west of Ireland. Scarcely any change taking place over western Europe during day. Depression off Norwegian coasts moving north-eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week a large anticyclone embraced all but the extreme southern parts of Europe, its central portion being found at first over Scandinavia and afterwards over central Russia. Light breezes from the Eastward or North-Eastward were, therefore, general over the western and central countries, but Westerly breezes in the far north, with fine dry weather in nearly all districts. Over our Islands the weather on the 8th and 9th was affected to some extent by a shallow depression which moved northwards along our western coasts, and by a small secondary system which advanced over England. The showers due to these disturbances were, however, very partial, and towards the close of the week, when anticyclonic conditions were restored, the weather again became fine and dry. During the earlier half of the week, thunderstorms and heavy rain were frequent over the south of France and the neighbouring parts of Spain and Italy. Later on, thundery weather occurred in several parts of Germany and Austria, the accompanying rainfall being, however, mostly slight.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 110.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	77·0	?	71	?	EASTBOURNE	81·0	?	77	?
OSWALDKIRK (Yorkshire)	76·7	?	71	?	MANCHESTER (Oldham Road)	76·0*	?	71*	?
WORKSOP	84·2	+46·0	79	+44	TENBY	75·6*	?	71*	?
THURCASTON (Leicestershire)	86·3	+50·0	81	+46	NEWQUAY	83·5	?	80	?
MARGATE	65·4	?	62	?	TORQUAY	82·4*	?	79*	
WESTBOURNE (Sussex)	85·8*	?	82*	?	ARLEY COTTAGE (County Cavan)	62·6	?	58	?
BRIGHTON	88·7	?	80	?	GUERNSEY	83·8*	?	81*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Limited, 63 Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 20.] *Third Series.* WEEK ENDING SATURDAY, MAY 18TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 116.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	33	54·5	42·2	48·0	1 above	42	− 1	0	− 5	308	+ 21	810	+272
	1. SCOTLAND, EAST	72	32	58·0	42·4	49·7	2 above	54	− 2	0	− 4	356	− 40	984	+417
	2. ENGLAND, N.E.	73	35	56·8	43·7	49·9	1 above	55	0	0	− 3	386	− 1	782	+281
	3. ENGLAND, EAST	78	36	60·6	45·3	52·5	2 above	74	+ 3	0	− 4	496	+ 2	854	+288
	4. MIDLAND COUNTIES	76	35	61·1	45·6	52·9	3 above	76	+ 6	0	− 4	508	− 15	933	+375
	5. ENGLAND, SOUTH	79	37	62·1	47·5	54·4	3 above	87	+12	0	− 1	498	− 66	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	68	32	59·1	44·7	51·5	2 above	67	+ 8	0	− 3	398	− 18	778	+366
	7. ENGLAND, N.W.	66	37	56·8	46·6	51·4	1 above	66	+ 3	0	− 2	406	− 26	724*	+303
	8. ENGLAND, S.W.	77	34	60·9	47·6	53·9	3 above	83	+16	0	− 1	483	− 65	654	+337
	9. IRELAND, NORTH	69	33	58·3	47·0	52·3	2 above	72	+11	0	− 2	448	− 62	641	+276
	10. IRELAND, SOUTH	70	36	60·1	49·2	54·4	3 above	87	+20	0	− 1	525*	− 96	479	+195
	—CHANNEL ISLANDS	73	42	59·3	49·2	53·9	2 above	83	+ 8	0	0	567	− 89	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p 116.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	7	1 more	87	− 8	14·7	− 4·5	35	− 8	30	− 8	419	− 8	28	− 1
	1. SCOTLAND EAST	4	2	2 less	68	− 8	8·3	− 2·6	26	−17	23	−14	468	+ 49	34	+ 3
	2. ENGLAND, N.E.	4	3	2 less	75	+ 4	9·4	+ 0·8	24	−17	21	−15	519	+ 89	32	+ 5
	3. ENGLAND, EAST	3	5	1 more	68	− 2	7·3	− 1·1	29	−21	26	−20	556	+ 48	35	+ 3
	4. MIDLAND COUNTIES	1	1	4 less	58	− 9	7·8	− 1·9	35	− 7	32	− 6	539	+ 89	34	+ 6
	5. ENGLAND, SOUTH	2	1	4 less	56	−11	6·8	− 2·9	39	−11	36	−10	580	+ 49	34	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	2	5 less	73	− 8	9·9	− 8·8	38	− 5	34	− 5	491	+ 23	31	+ 2
	7. ENGLAND, N.W.	2	1	4 less	64	−10	9·3	− 1·9	25	−17	22	−16	460	+ 68	33	+ 5
	8. ENGLAND, S.W.	1	less than ½	5 less	63	−12	10·7	− 3·6	42	− 5	39	− 5	642	+ 91	39	+ 5
	9. IRELAND, NORTH	3	3	3 less	80	− 6	10·3	− 2·1	40	− 4	36	− 3	480	+ 28	31	+ 2
	10. IRELAND, SOUTH	2	1	5 less	69	−11	11·9*	− 2·8	31	−15	28	−14	524	− 14	33	− 1
	—CHANNEL ISLANDS	2	less than ½	4 less	74	− 8	9·4	− 2·7	50	0	47	0	708	+106	47	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued very warm and generally fine during the earlier part of the week, but on Thursday a sudden change took place, and the conditions during the remainder of the week were very cold and dull, with showers of cold rain, hail in many places, and snow at some of our northern, eastern, and south-eastern stations.

Temperature was very high at first, but subsequently fell rapidly and became much below the normal. The highest of the maxima (recorded either on the 12th or 13th) ranged from 79° in England S. and 78° in England E. to 68° in Scotland W. and 66° in England N.W. The lowest of the minima were registered on the 17th, when the thermometer fell to 32° in Scotland E. and W. to 33° in Scotland N. and Ireland N., to 37° in England S. and N.W., and to 42° in the Channel Islands. The temperature for the week, taken as a whole, ranged from 1° to 3° above the mean for the time of year. At many of the inland stations the maximum readings during the earlier days of the period were as much as 30° higher than those registered towards its close.

Rainfall slightly exceeded the mean in Scotland N. and England E., but was less elsewhere, the deficit in most districts being very considerable.

Bright Sunshine was much less prevalent than during the preceding week, and, in all districts excepting the Channel Islands, was less than the mean. The percentage of the possible duration ranged from 47 in the Channel Islands, and 39 in England S.W., to 23 in Scotland E., 22 in England N.W., and 21 in England N.E.

Barometer and Wind.—The distribution of pressure at the commencement of the week was anticyclonic, and the winds were light in force and rather variable in direction. By Tuesday morning, however, a depression had reached the north of Scotland, and, after moving south-eastwards and southwards to Denmark and growing deeper, finally moved westwards towards our south-east coasts and gradually filled up. Rather steep gradients for Northerly winds were consequently formed over our Islands, and very strong, squally cold winds (a gale in some exposed places) were experienced in all parts of the Kingdom. By the end of the period the winds had decreased in force, but the weather was still very cold and inclement.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 115 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	55	34	48·4	40·7	44·3	− 0·4	22	4	5	1·02	+0·62	*	*	*	*
	Stornoway	64	38	53·6	42·7	47·8	+ 1·1	41	0	4	0·54	−0·05	33·6	− 8·4	29	− 8
	Wick	59	36	54·0	41·6	47·4	+ 0·7	39	1	4	0·31	−0·09	*	*	*	*
	Glencarron S	70	33	54·8	41·2	47·6	+ 0·8	43	2	6	1·27	+0·24	*	*	*	*
	Fort Augustus S	69	34	58·6	43·1	50·4	+ 2·9	59	0	4	0·42	−0·06	26·2	?	23	?
	Fort William S	69	35	57·6	44·0	50·4	+ 1·5	59	0	4	0·86	+0·06	44·3	?	39	?
1. SCOTLAND, E.	Nairn	67	36	57·7	42·4	49·6	+ 0·9	53	0	4	0·31	−0·06	*	*	*	*
	Aberdeen	66	35	55·9	43·4	49·3	+ 1·5	51	0	6	0·38	−0·09	26·7	−16·8	24	−14
	Braemar S	68	32	54·5	39·4	46·5	+ 1·0	42	7	4	0·08	−0·43	22·2†	?†	20†	?†
	Ochtertyre S	72	37	63·1	42·9	52·4	+ 4·9	73	0	3	0·10	−0·45	*	*	*	*
	Leith	70	39	58·9	44·3	51·2	+ 1·6	64	0	3	0·32	0·07	*	*	*	*
	Marchmont S	70	35	57·7	41·9	49 3	+ 2·0	52	0	4	0·27	−0·25	27·0	?	24	?
2. ENGLAND, N.E.	Alnwick Castle	67	36	55·3	43·9	49·3	+ 2·1	51	0	5	0·34	−0·16	*	*	*	*
	Durham	71	35	57·5	42·6	49·6	+ 1·6	53	0	3	0·20	−0·26	23·7	−16·3	21	−15
	Shields	66	35	55·3	43·0	48·8	+ 0·9	48	0	4	0·28	−0·11	*	*	*	*
	Scarborough M	69	36	57·3	41·8	49·1	+ 0·2	51	1	4	0·26	−0·17	*	*	*	*
	York	73	35	60·4	45·3	52·4	+ 2·2	73	0	2	0·06	−0·37	24·9	−17·3	22	−16
	Spurn Head	66	56	54·7	45·6	49·9	+ 0·7	55	0	4	0·43	+0·08	*	*	*	*
3. ENGLAND, E.	Hillington M	78	36	61·4	45·1	52·8	+ 2·4	76	0	4	1·18	+0·76	26·9	−20·8	24	−19
	Yarmouth	71	38	55·9	45·7	50·5	+ 0·9	60	0	4	0·48	+0·06	*	*	*	*
	Geldeston	75	36	61·1	44·1	52·1	+ 1·7	71	0	4	0 39	−0·01	23·2	−28·5	21	−27
	Cambridge	78	38	63·1	46·0	54·0	+ 2·6	84	0	3	0·25	−0·17	29·8	−15·3	28	−13
	Rothamsted	75	37	61·3	45 7	53·0	+ 2·8	77	0	2	0·24	−0·26	34·0	?	31	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	37	60·3	43·7	51·5	+ 0·9	67	0	2	0·09	−0·38	*	*	*	*
	Loughborough	75	39	61·0	45·9	53·0	+ 1·6	77	0	1	0·16	−0·32	*	*	*	*
	Stamford (Ketton Hall)	74	38	62·4	43·9	52·6	+ 1·1	74	0	1	0 25	−0·32	*	*	*	*
	Cheadle M	70	35	57·3	44·7	50·6	+ 1·8	60	0	2	0·05	−0·49	*	*	*	*
	Solihull	71	37	58·2	46·7	52·1	+ 1·8	71	0	2	0·05	?	*	*	*	*
	Churchstoke M	71	37	60·4	46·3	52·9	+ 4·3	76	0	1	0·02	−0·47	40·0	− 2·0	36	− 3
	Hereford M	75	37	63·9	47·0	54·9	+ 3·7	90	0	1	0·01	−0·46	*	*	*	*
	Cirencester	74	37	64·1	44·0	53·5	+ 3·7	81	0	1	0·01	−0·47	38·5	− 6·0	36	− 5
	Oxford	76	39	62·6	48·1	54·9	+ 3·5	90	0	1	0·01	−0·44	38·4	− 5·1	36	− 4
5. ENGLAND, S.	London	79	39	64·0	49·0	56·1	+ 3·5	99	0	2	0·18	−0·24	32·9†	− 8·8†	30†	− 9†
	North Foreland	67	38	56·6	46·0	51·0	+ 0·3	63	0	3	0·18	?	*	*	*	*
	Strathfield Turgiss M	79	37	65·6	45·9	55·2	+ 3·8	92	0	2	0·09	−0·32	*	*	*	*
	Dungeness	66	37	58·3	46·3	51·9	+ 0·3	69	0	4	0·05	−0·35	*	*	*	*
	Hastings (St. Leonards)	68	38	60·3	47·0	53·3	+ 1·2	79	0	0	—	−0·40	41·0	−12·5	38	−12
	Southampton	79	41	66·7	49·3	57·5	+ 5·0	109	0	1	0·05	−0·42	37·6	−10·1	35	− 9
	Hurst Castle	76	42	63·3	49·1	55·8	+ 4·1	97	0	1	0·02	−0·38	*	*	*	*
	Stowell M	69	38	62·0	47·5	54·3	+ 3·9	86	0	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	35	60·1	45·1	52·2	+ 2·7	71	0	3	0·61	−0·29	*	*	*	*
	Glasgow	65	38	58·9	45·6	51·9	+ 2·5	69	0	3	0·04	−0·51	32·1	− 3·9	29	− 3
	Ardrossan	65	38	57·3	46·0	51·3	+ 1·4	65	0	0	—	−0·53	*	*	*	*
	Glenlee S	66	32	60·2	41·3	50·2	+ 1·9	60	2	1	0·01	−0·66	*	*	*	*
	Douglas (Isle of Man)	67	38	59·1	45·3	51·8	+ 2·3	69	0	1	0·09	−0·41	43·0	− 7·7	39	− 7
7. ENGLAND, N.W.	Stonyhurst	66	38	56·8	45·2	50·7	+ 0·6	61	0	2	0·04	−0·56	28·9	−14·6	26	−13
	Blackpool M	63	37	57·6	45·7	51·3	+ 1·1	65	0	1	0·04	−0·41	22·6	−23·0	20	−21
	Manchester (Prestwich)	66	38	57·8	45·8	51·4	+ 1·8	66	0	2	0·07	−0·46	22·1	?	20	?
	Liverpool Obsy. (Bidston)	64	39	57·4	47·3	52·1	+ 1·2	71	0	2	0·04	−0·38	*	*	*	*
	Llandudno M	65	42	57·5	48·8	52·9	+ 1·8	76	0	1	0·08	−0·34	29·3	−14·1	27	−13
	Holyhead	58	41	53·6	46·6	49·9	− 0·8	55	0	1	0·08	−0·35	*	*	*	*
8. ENGLAND, S.W.	Llandovery	75	34	63·6	46·4	54·5	+ 4·1	88	0	1	0·01	−0·63	*	*	*	*
	Pembroke	56	42	53·4	46·7	49·9	− 0·2	55	0	2	0·04	−0·41	32·9	−15·6	30	−15
	Bristol (Montpelier)	77	40	66·0	49·8	57·4	+ 6·2	108	0	0	—	−0·54	*	*	*	*
	Arlington (N. Devon)	68	40	58·9	47·0	52·6	+ 3·2	74	0	1	0 01	−0·65	*	*	*	*
	Cullompton M	76	39	64·7	47·1	55·4	+ 4·4	94	0	0	—	−0·59	38·5	− 5·3	36	− 4
	Falmouth	68	40	58·7	48·0	53·0	+ 1·4	77	0	1	0·01	−0 61	47·1	− 1·7	44	− 2
	Plymouth	72	43	60·1	48·2	53·8	+ 0·7	83	0	0	—	−0·48	48·8	+ 2·1	46	+ 2
	Prawle Point	68	38	61·9	47·3	54·2	+ 3·5	85	0	0	—	−0·37	*	*	*	*
9. IRELAND, N.	Malin Head	61	44	53·3	48·0	50·5	− 0·2	60	0	1	0·68	?	*	*	*	*
	Londonderry	64	43	59·8	47·7	53·4	+ 2·5	80	0	5	0·42	−0·10	*	*	*	*
	Edenfel (Omagh)	63	38	57·1	46·0	51·2	+ 2·0	64	0	3	0·33	−0·17	*	*	*	*
	Belmullet	60	44	55·9	49·6	52·6	+ 0·9	74	0	7	0·14	?	*	*	*	*
	Markree Castle	68	43	60·0	47·5	53·4	+ 4·2	80	0	5	0·36	−0·11	37·6	− 4·6	34	− 4
	Brookeborough	67	37	60·5	46·1	52·9	+ 3·7	76	0	3	0·31	−0·25	*	*	*	*
	Armagh	65	33	60·3	45·5	52·5	+ 2·9	74	0	1	0·19	−0·27	38·7	− 3·1	35	− 3
	Donaghadee	69	41	56·6	46·1	51·0	+ 1·3	63	0	1	0·08	−0·44	*	*	*	*
	Edgeworthstown	68	34	60·8	46·1	53·0	+ 3·6	77	0	2	0·10	−0·45	*	*	*	*
10. IRELAND, S.	Dublin	68	39	62 5	48·3	55·0	+ 3·5	91	0	1	0·07	−0·38	46·3	− 1·7	42	− 2
	Parsonstown	69	37	62·0	48·7	55·0	+ 4·6	91	0	3	0·10	−0·40	30·2	−12·3	27	−12
	Kilkenny	70	41	60·9	49·1	54·7	+ 4·0	89	0	1	0·06	−0·39	*	*	*	*
	Roche's Point	64	48	59·6	51·4	55·3	+ 3·2	93	0	0	—	−0·72	*	*	*	*
	Valencia	63	46	58·3	50·4	54·1	+ 2·4	85	0	2	0·14	−0·60	15·7	−31·8	15	−29
	Killarney	70	36	59·8	48·5	53·8	+ 2·6	83	0	4	0·09	?	*	*	*	*
	Foynes	63	41	57·5	48·2	52·6	+ 1·5	74	0	1	0·03	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	61	45	56·9	49·6	53·0	+ 1·1	77	0	2	0·02	−0·38	36·3	?	34	?
	Jersey	73	42	61·6	48·7	54·8	+ 2·0	90	0	1	0·01	−0·41	54·4	− 0·6	52	0

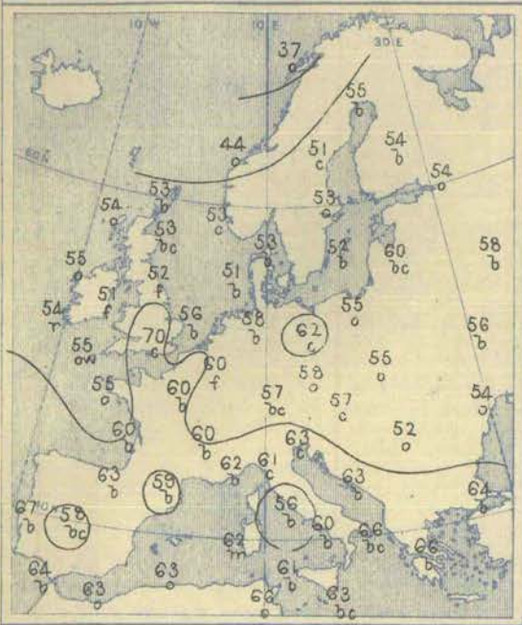
Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

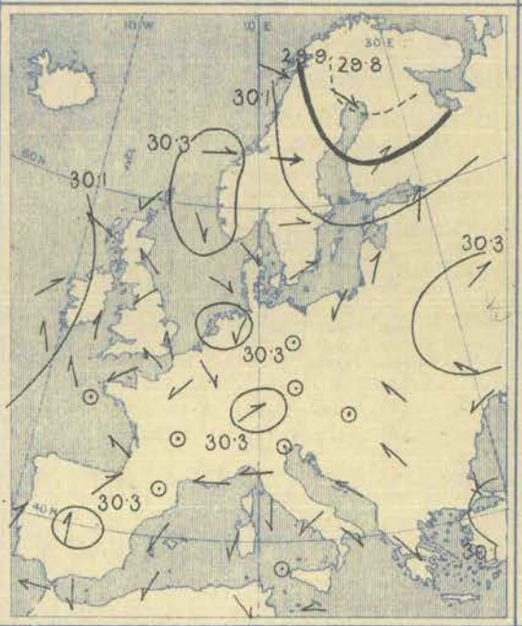
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 12th May.

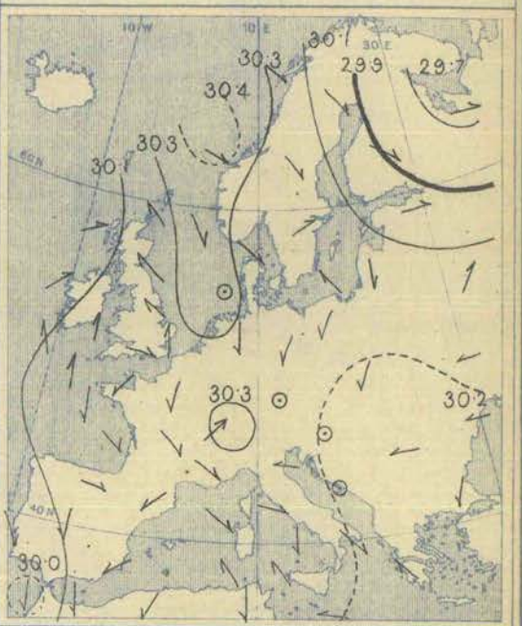
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over nearly the whole of Europe, as well as over the greater part of England, dull and unsettled in the west and north-west of our Islands, with rain in the south of Ireland. The unsettled weather in the west spreading over the greater part of our Islands later, but rainfall slight except at Malin Head, where it amounted to 0·7 in. Halos (solar and lunar) seen in most parts of England, thunderstorms occurring in the east and south of France and in the east and north-east of England.

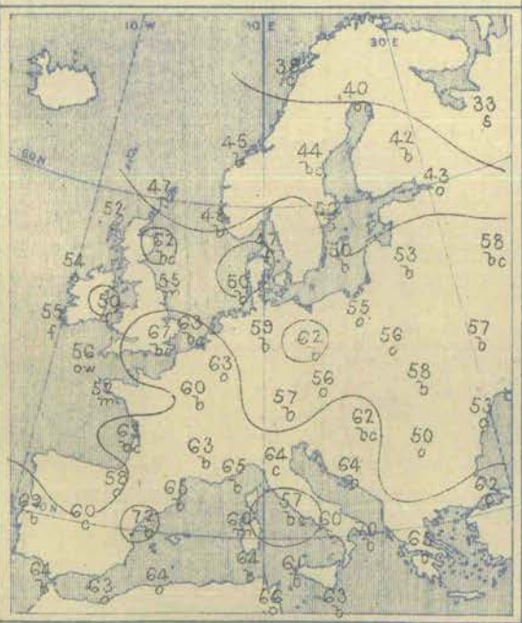
Temperature again risen at the English and French stations, locally very high over our south-eastern inland stations. Morning readings highest, 70° in London and at Barcelona, 67° at Lisbon, and above 60° at many stations in Spain, France, Germany, and England. Lowest, 37° at Bodö, 44° at Christiansund, and 53° to 55° on our northern and extreme western coasts. Rising later to between 73° and 79° over England (air very oppressive), to between 70° and 80° over France, Italy, Spain, and Algeria.

Wind (1) calm or light and extremely variable over the greater part of the Continent; slight from between South-East and South-West over the British Islands, strong from West over the north of Scandinavia and moderate from South-West over Finland. Becoming North-Westerly over northern Europe later, but no decided change elsewhere.

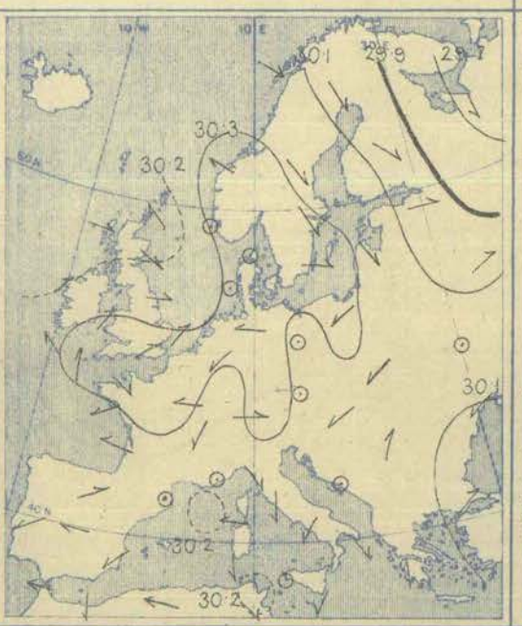
Barometer highest, (1) 30·4 ins. and more to 30·3 ins. over the southern half of Russia; (2) 30·3 ins. and more over the west of Norway, the Netherlands, and south Germany, and exceeding 30·2 ins. almost all over central and western Europe, including all the eastern half of England. Lowest, (1) below 30·1 ins. over Finland; (2) below 29·8 ins. over Lapland and the north of Russia. Gradients slight and very irregular. Depression over Lapland moving eastwards later; anticyclone over Norway increasing in intensity; low pressure area appearing over Russia; barometer rising slowly over our Islands.

Monday, 13th May.

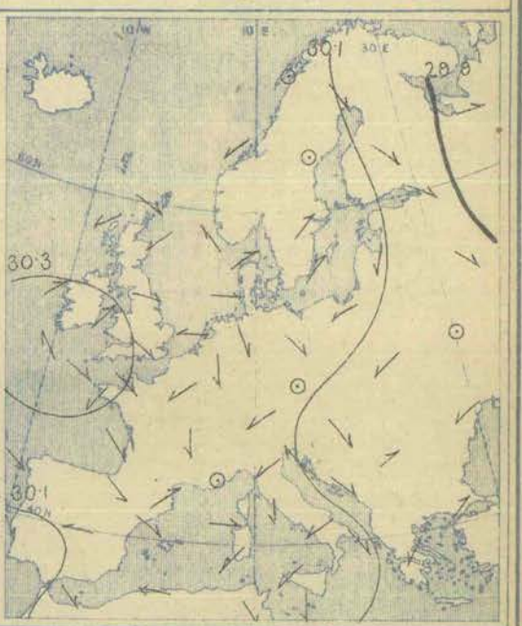
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the eastern and central parts of Great Britain, as well as in nearly all the Continental countries. Foggy on our western coasts, and dull in the north of Scotland, with rain in the Shetlands; snow reported at Archangel. Rain setting in at night over the north of Scotland, also at some of the Norwegian stations and in the north of Russia; no important change occurring elsewhere.

Temperature fallen in most of the northern countries, but changed irregularly elsewhere. Morning readings highest, (1) 72° at Barcelona, 70° at Brindisi, 69° at Lisbon, and 66° at Sfax; (2) 67° in London and 64° at Cambridge; above 60° at several of the English stations and also at Aberdeen. Lowest, 33° at Archangel, 38° at Bodö, 40° at Haparanda, and 41° at Kuopio. Rising during day to between 75° and 78° over the inland parts of England, to 80° at Paris, and more over several parts of France and Spain, and to 84° at Lisbon.

Wind light from the Southward on our western coasts, and from the Westward in the north and east of our Islands, but rather variable at our extreme southern stations. Light to moderate from the Northward or North-Westward over Sweden and northern Russia; light from the North-Eastward in Poland and the south of Russia. Calm or variable in most of the central and southern countries, but Easterly or North-Easterly over Spain and the Bay of Biscay. Subsequently becoming variable on our own northern coasts, anticyclonic in the west and south; no important change occurring elsewhere.

Barometer highest, 30·3 ins. in an anticyclone of irregular form lying over Germany, Denmark, and the south of Scandinavia, and extending eastwards over England and the north of France. Lowest, 29·7 ins. and less in a depression over the extreme north of Russia; 30·2 ins. and less over and to the northward of Scotland. Main portion of Continental anticyclone subsequently giving way; western portion forming a new secondary system and moving slowly westwards and becoming more pronounced.

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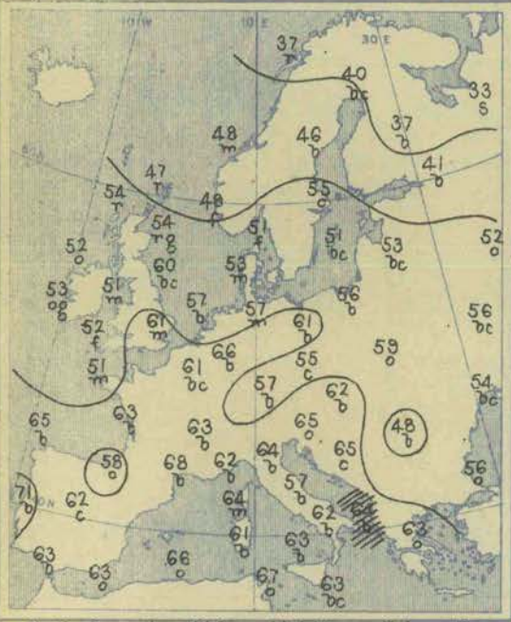
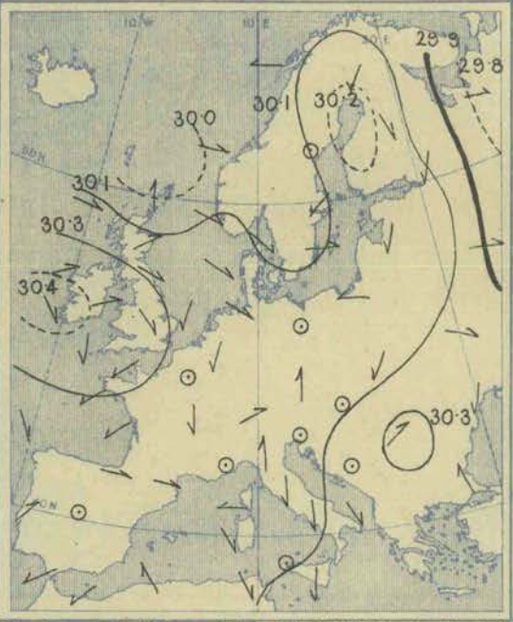
Tuesday, 14th May.

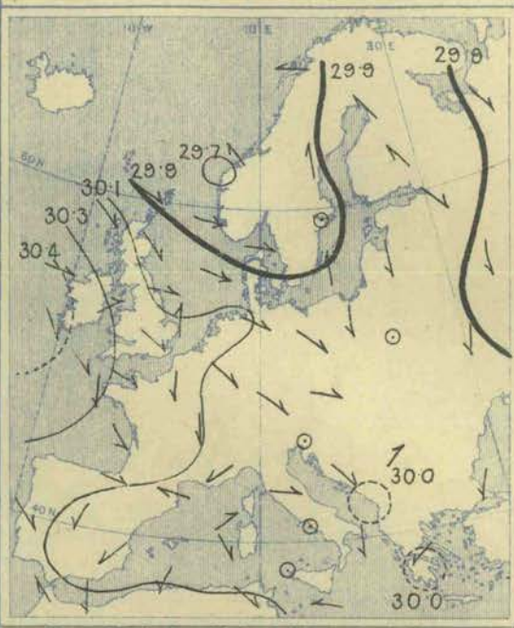
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine and bright over all the southern and eastern parts of Europe, but becoming dull and unsettled in the north of the British Islands and over Norway, with rain at many of the stations; snow falling at Archangel. Fog very prevalent in the Irish Channel. Rain falling later over northern and central Europe, and some showers in the north and north-east of the British Islands; thunderstorms occurring locally in the north-east of England and generally over the southern and eastern parts of France.

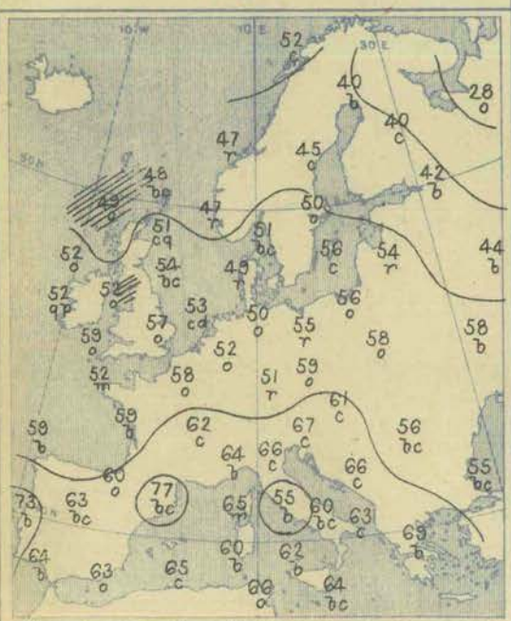
Temperature fallen decidedly in Scotland and slightly over the eastern counties of England. Morning readings highest, 73° at Barcelona, 71° at Lisbon, 68° at Toulon, and above 60° at most stations on the coasts of southern and south-western Europe, 61° at Paris, Berlin, and in London. Lowest, 33° at Archangel, 37° at Kuopio and Bodö; rather above 40° over the north of Russia as a whole. Rising later to between 75° and 83° over France, to between 76° and 70° over the south of England and over the Mediterranean coasts, and to 73° at Berlin, but the fall in Scotland subsequently spreading southwards over the British Islands, the North Sea, and France.

Wind (1) light and anticyclonic over France, England, and Ireland, light and variable over central, eastern, and northern Europe generally; (2) Westerly (cyclonic and freshening) over Scotland and the extreme north of Ireland, Southerly, light, at Sumburgh Head, Easterly at Bodö. The cyclonic wind in the north of our Islands spreading southwards later, veering to North-West, and blowing strongly over the northern parts of the British Islands and the North Sea, and North-Westerly breezes spreading over Ireland.

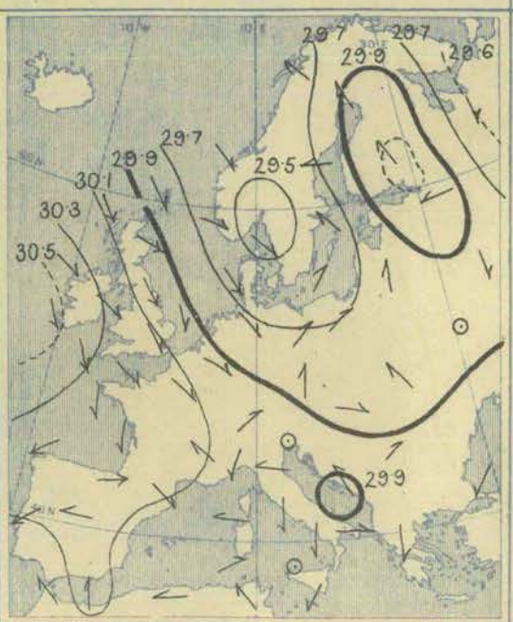
Barometer highest, 30·4 ins. and more to 30·3 ins. in an anticyclone covering Ireland, England, the north-west of France, and all neighbouring parts of the Atlantic, and exceeding 30·2 ins. in a ridge extending thence over France, the Netherlands, north Germany, and Finland. Lowest, below 30·0 ins. (1) in a depression approaching the Shetland Islands from the north-westward and (2) over the Black Sea. Depression in north spreading over north-western Europe and growing deeper, centre travelling south-eastward; anticyclone over our Islands receding westwards.

Wednesday, 15th May.

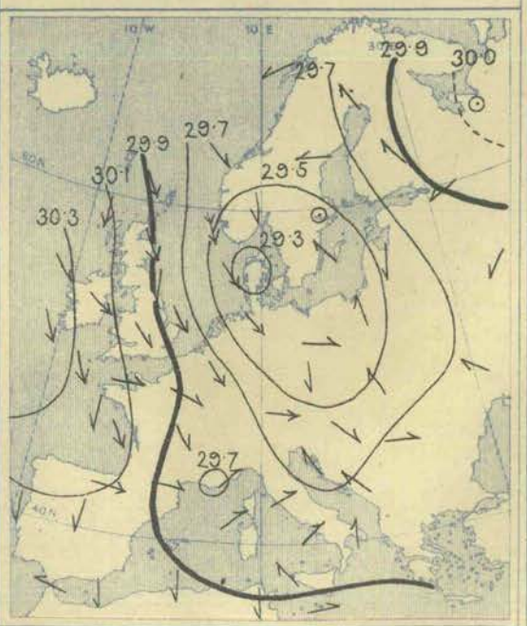
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-western, southern, and south-eastern Europe, as well as over Russia and Finland; fair as a whole, but becoming unsettled, over the British Islands, squally and showery over the North Sea, Denmark, and Norway, and rainy in some parts of north Germany. Rain falling later in considerable quantities over central Europe, and in smaller amounts over Scandinavia; a few cold showers along our north-east and east coasts, thunderstorms occurring in the east of France. Local showers in some parts of Ireland also.

Temperature falling all over Great Britain and north-western Europe. Morning readings highest, 77° at Barcelona, 70° at Perpignan, 73° at Lisbon, and exceeding 60° at most stations in the south of France, Italy, and Austria; exceeding 50° over the greater part of the British Islands, western and central Europe. Lowest, 28° at Archangel, 40° at Kuopio and Haparanda, 42° at St. Petersburg, 44° at Moscow. Rising to between 60° and 66° in many parts of our Islands later, but falling subsequently to below 50°, and to 40° or 39° along our east and north-east coasts. Remaining high over southern Europe.

Wind (1) North-Westerly all over our Islands and the North Sea, and blowing strongly in Scotland and Denmark, light South-Westerly over south Germany, South-Easterly over Finland and Easterly over the north of Scandinavia; (2) Northerly over the west of France, North-Easterly over the Portuguese coast. Blowing a gale later over the North Sea, and a very strong breeze over England and the Irish Sea.

Barometer highest, (1) 30·4 ins. and more over the west of Ireland and neighbouring parts of the Atlantic, and exceeding 30·1 ins. over the western parts of the British Islands, France, and Spain; (2) 30·0 ins. to 29·9 ins. over Finland and the neighbourhood of St. Petersburg. Lowest, (1) 29·4 ins. to 29·5 ins. in a well-marked depression, the centre of which lay near Christiansund; (2) below 29·6 ins. over the White Sea; (3) below 29·9 ins. at Lésina. Falling over the North Sea, Germany, and the Baltic all day as the Scandinavian depression moved southwards.

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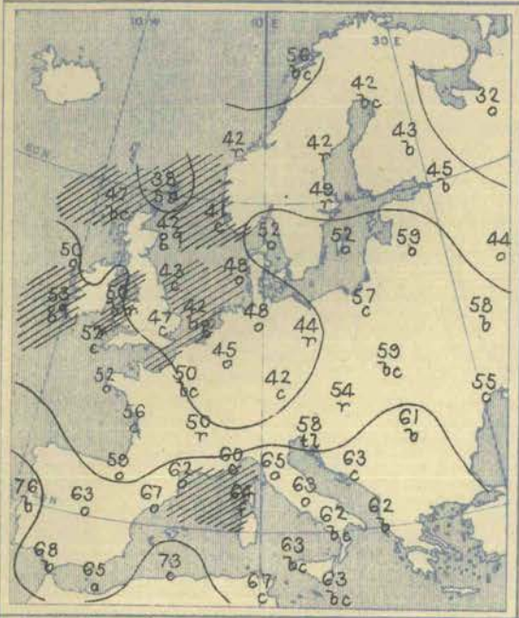
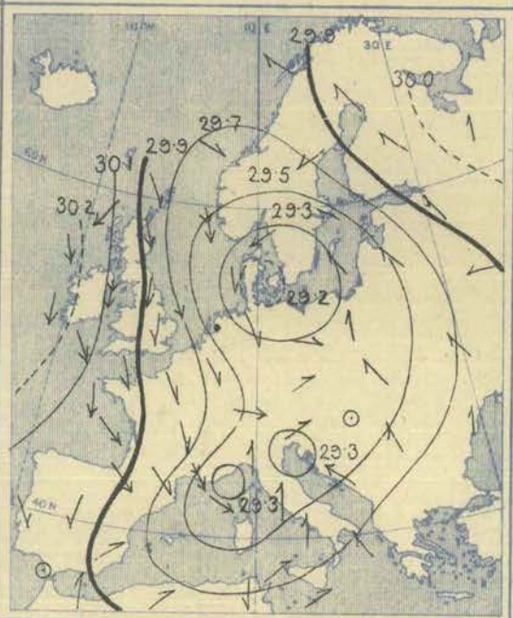
Thursday, 16th May.

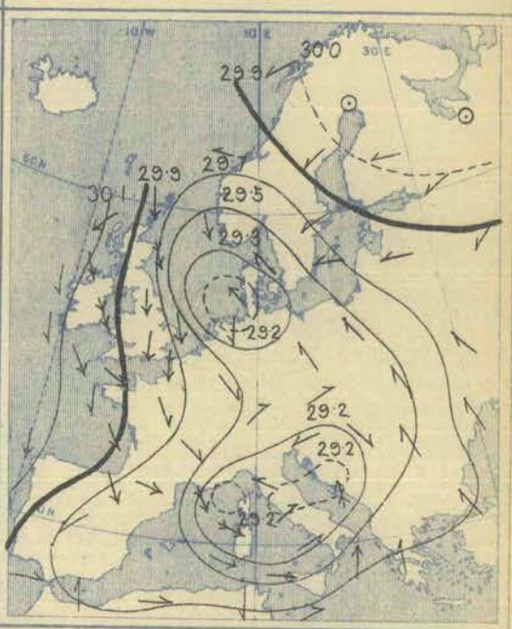
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright (1) over the south-west and south of Spain, (2) over south-eastern Europe, and (3) over the central parts of Russia, Finland, and Lapland; cloudy and very unsettled elsewhere, especially over the North Sea and northern parts of the Mediterranean; rain at many of the Scandinavian, German, and Baltic stations, snow at Sumburgh Head, hail on our east coasts. Considerable falls of rain later over Italy, Austria, Germany, Denmark, the Baltic, and Scandinavia, and slight local showers of hail or snow over the north-eastern and eastern parts of Great Britain and the Netherlands.

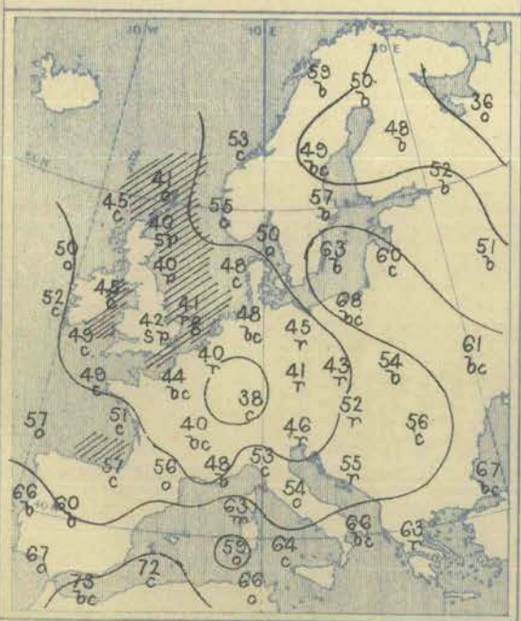
Temperature highest, 70° and more on the Portuguese coasts, and exceeding 60° at most of the Mediterranean and Adriatic stations and at Hermanstadt; exceeding 55° at several stations in the south of Russia, over the Baltic Provinces, and also at Bodö. Lowest, (1) 32° at Archangel, 42° at Haparanda, 44° at Moscow; (2) 38° at Sumburgh Head, 40° to 42° along our north-east and east coasts, 39° at Brussels, 42° at Münster, Wiesbaden, and Munich. Falling to within a few degrees of the freezing point in the shade over the northern and eastern counties later; air very keen.

Wind Northerly all over the British Islands, the North Sea, and north of France, and blowing a strong breeze to a fresh gale at many of the North Sea stations, Westerly to Southerly over Germany, Southerly to South-Easterly over the Baltic, South-Easterly to Easterly over northern Europe; (2) a complex cyclonic circulation prevailing over the northern parts of the Mediterranean, Italy, and the Adriatic, light South-Easterly breezes over the southern half of Russia. Gale over North Sea continuing all day, and strong squally breezes prevailing all over our Islands.

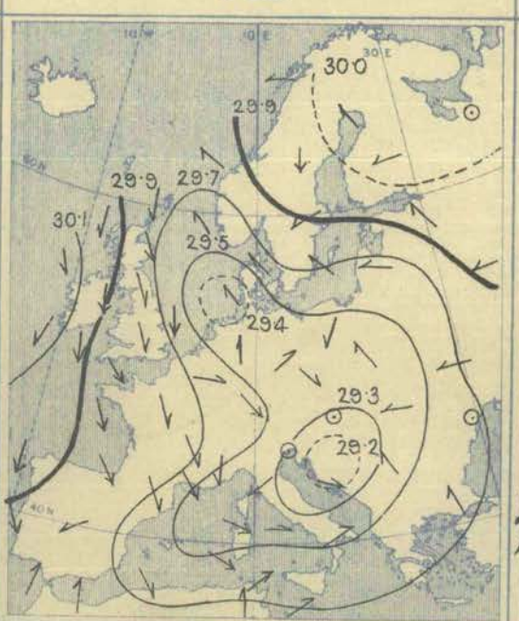
Barometer highest, (1) 29·9 ins. to 30·2 ins. and more over the northern and western parts of our Islands and the western parts of France and Spain, and apparently still higher over the adjacent parts of the Atlantic; (2) 30·0 ins. and more to 29·9 ins. over the north of Russia and the eastern parts of Lapland and Finland. Lowest, 29·2 ins. in a depression lying over Holstein, Funen, and Zealand, and below 29·3 ins. in two others, one over the Riviera and Gulf of Genoa, the other over the northern parts of the Adriatic. Danish depression moving westward later, those over southern Europe apparently decreasing in intensity.

Friday, 17th May.

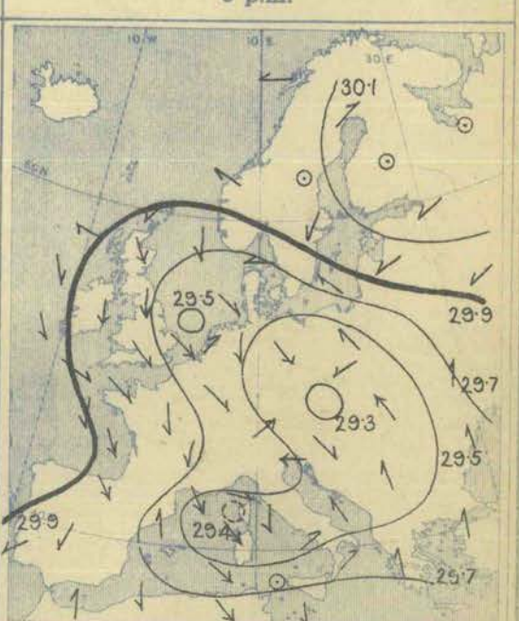
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and northern Europe, also over the Portuguese coast, and the greater part of Spain and Algeria; dull and very unsettled over Great Britain, the North Sea, and central Europe, with rain in several places, and slight snow showers over the east of England. Further falls of rain over the Adriatic and central Europe, the North Sea, and our north-eastern and eastern counties during the day, occasional showers over the other parts of England. Thunderstorm at Fanö in evening.

Temperature very irregularly distributed. Morning readings highest, (1) 68° at Memel, 63° at Wisby, 60° at St. Petersburg, and 59° to 58° on the north-west coast of Norway; (2) 73° at Oran, 72° at Oporto, and exceeding 60° at most of the stations in Spain and Portugal, in Algeria, and on the coasts of south-eastern Europe. Lowest, (1) 36° at Archangel; (2) 40° at Wick, Aberdeen, and Brussels, 41° at Yarmouth, Cambridge, Oxford, and Limoges, 42° in London and Paris, not reaching 50° over the north and east of Great Britain later, but touching 72° at Bodö, and 63° to 68° over other parts of Scandinavia; 75° at Lisbon, 80° at Madrid, but only 64° at Biarritz, and 61° at Florence, 70° at Malta, 79° at Sfax.

Wind (1) Easterly, moderate to fresh, over northern Europe generally; but Northerly to North-Westerly over the British Islands, strong to moderate, North-Westerly, fresh, over the Bay of Biscay, North-Westerly to South-Westerly, moderate, over central Europe; (2) strong from between North-East and North-West over the north of Italy and south of France, and Westerly, fresh, over the southern parts of the Mediterranean. Backing to West-North-West over our south-eastern counties later, and becoming North-Westerly at Berlin.

Barometer highest, (1) 30·0 ins. and more over the west of Ireland and the neighbouring parts of the Atlantic, and exceeding 29·8 ins. over all the western and northern parts of our Islands; (2) 30·1 ins. and more to 29·8 ins. over the northern parts of Europe. Lowest, below 29·2 ins. in a large complex depression having its central area over Croatia, and below 29·3 ins. in its secondary over Corsica; below 29·4 ins. in another disturbance over the south-eastern parts of the North Sea, and below 29·5 ins. over central Europe generally; North Sea depression moving westwards later and beginning to fill up; Croation depression advancing northwards to Germany.

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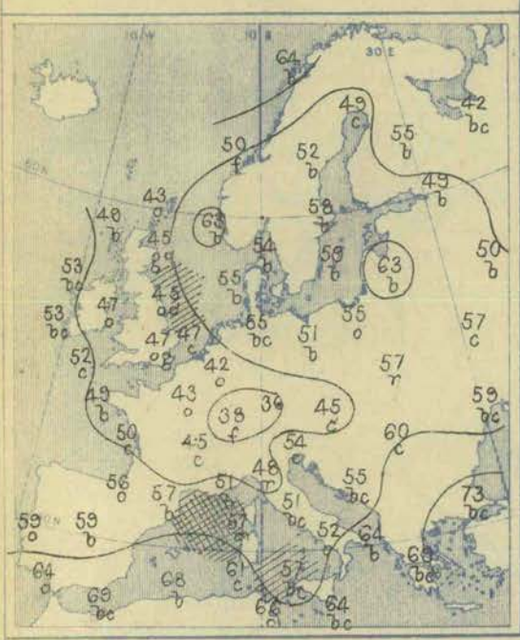
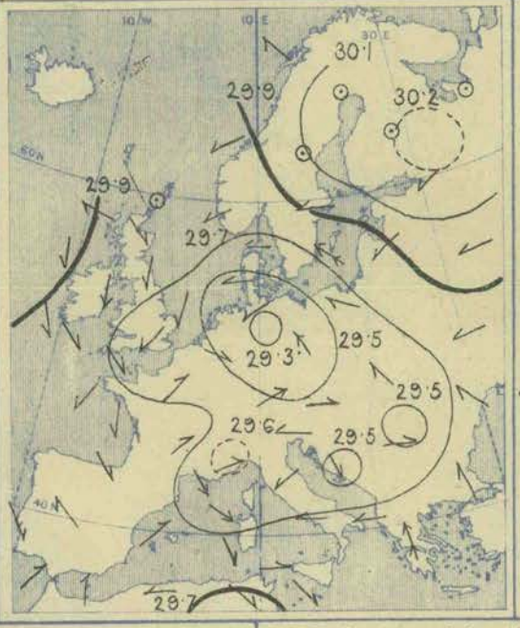
Saturday, 18th May.

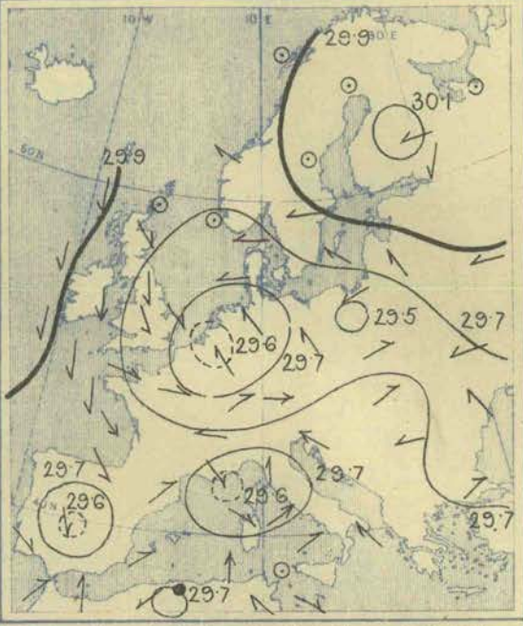
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over central Russia, northern Europe, the western parts of Ireland and France, also over Algeria and south-eastern Europe; dull and unsettled over central Europe, the North Sea, and Great Britain, with rain at many stations, but in small quantity at our own stations. Rain falling later in considerable quantities at Brussels and at Sumburgh Head, and showers on our north-east and east coasts generally. Weather dull over our south-eastern and inland counties.

Temperature. Morning readings highest, 73° at Constantinople, 70° at Palma, and above 60° (1) over Algeria and the south of Spain, (2) at Memel and Riga, (3) in the east of Lapland and at Skudesnaes; above 50° over eastern Germany and southern Russia, also in the extreme west and south-west of our Islands, and over Finland. Lowest, (1) 36° at Munich, 38° at Belfort, 42° at Wiesbaden, Brussels, and Münster, 47° to 44° over our eastern and north-eastern counties; 43° at Sumburgh Head, 42° at Archangel. Rising later to 75° at Wisby, 73° at Skudesnaes, and to more than 60° in many parts of northern and central Europe; not touching 50° on our east and north-east coast, nor in Belgium and the north-east of France.

Wind moderate to a gale from the Eastward over the Baltic and northern Europe, fresh, South-Easterly, over north Germany, but Northerly, moderate, over the United Kingdom, North-Westerly over the Channel and north of France, and South-Westerly to Westerly over south Germany; very variable over southern Europe and the Mediterranean, but mainly from between North-East and North-West.

Barometer highest, (1) 30·2 ins. and more to 30·0 ins. over northern Europe; (2) 29·9 ins. and more off the west coast of Ireland; (3) 29·9 ins. to 29·8 ins. over the southern side of the Mediterranean. Lowest, below 29·6 ins. all over central Europe, and about 29·3 ins. in a minimum over north-western Germany, below 29·5 ins. in two others, one over Hungary, the other over Croatia, and below 29·6 ins. in another over the Riviera. Minimum over Germany moving westwards later, but tending to fill up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week a large anticyclone lay over the greater part of Europe, the wind being light and variable, and the weather fair in all but the western countries, where showers were experienced, with thunderstorm over France and the east and south-east of England.

On the 14th, however, a well-marked depression appeared off the north of Scotland, and, in the course of the next three days, the centre of this system travelled first in a south-easterly and southerly direction over the south of Norway and Denmark, and afterwards in a westerly direction towards the east coast of England, where it gradually filled up. As the disturbance moved southwards the wind in our Islands shifted to the North-Westward and Northward, and blew with considerable strength, with a gale on all the more exposed parts of our north-western, northern, and eastern coasts. The change of wind was followed by a considerable fall of temperature, especially over the eastern parts of England, where the maximum readings of the 17th were about 30° lower than those of the 12th and 13th. Unsettled weather prevailed in all the more western and central countries, with considerable falls of rain at some of the Continental stations, and with slight showers of snow in the east and south-east of England. At the close of the week there were no signs of any immediate improvement.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 116.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	26·7	?	24	?	EASTBOURNE	35·6	?	33	?
OSWALDKIRK (Yorkshire)	23·8	?	21	?	MANCHESTER (Oldham Road)	20·2*	?	18*	?
WORKSOP	20·7	−18·6	19	−17	TENBY	40·8*	?	38*	?
THURCASTON (Leicestershire)	36·9	− 2·5	34	− 2	TORQUAY	30·6	?	29	?
MARGATE	21·7	?	20	?	TORQUAY	55·1*	?	52*	?
WESTBOURNE (Sussex)	57·2*	?	53*	?	ARLEY COTTAGE (County Cavan)	42·3	?	38	?
BRIGHTON	47·3	?	44	?	GUERNSEY	57·9*	?	55*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 38 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 21.] *Third Series.* WEEK ENDING SATURDAY, MAY 25TH, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90 RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 122.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	35	55·5	42·4	48·5	1 above	46	− 1	0	− 3	354	+ 20	810	+249
	1. SCOTLAND, EAST	64	35	53·2	40·9	48·1	1 below	47	−10	3	0	403	− 30	987	+417
	2. ENGLAND, N.E.	60	38	54·6	41·5	47·6	2 below	41	−16	1	− 1	427	− 17	783	+280
	3. ENGLAND, EAST	71	38	58·6	43·1	50·4	1 below	54	−18	0	− 2	555	− 16	854	+236
	4. MIDLAND COUNTIES	73	35	61·1	42·6	51·3	1 below	65	−11	0	− 2	573	− 26	933	+373
	5. ENGLAND, SOUTH	72	34	60·4	44·6	5 ·0	1 below	70	−12	0	0	568	− 78	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	30	59·4	43·8	51·1	1 above	64	− 1	0	− 1	462	− 19	778	+305
	7. ENGLAND, N.W.	69	36	57·7	45·3	51·2	1 below	64	− 5	0	− 1	470	− 31	724	+302
	8. ENGLAND, S.W.	71	29	61·1	43·5	51·8	1 below	69	− 4	0	0	552	− 69	654	+317
	9. IRELAND, NORTH	73	31	59·2	41·8	50·0	1 below	57	−10	1	0	505	− 72	642	+276
	10. IRELAND, SOUTH	65	33	59·0	42·1	50·1	2 below	57	−16	0	0	582	−112	479	+195
	—CHANNEL ISLANDS	70	44	58·7	47·5	52·7	1 below	75	− 5	0	0	642	− 94	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 122.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	1 less	90	− 8	15·1	− 4·7	29	0	24	0	448	− 8	29	0
	1. SCOTLAND EAST	5	5	1 more	73	− 6	8·8	− 2·6	23	−15	20	−13	491	+ 34	33	+ 2
	2. ENGLAND, N.E.	3	2	2 less	78	+ 4	9·6	+ 0·5	21	−24	19	−21	540	+ 65	31	+ 4
	3. ENGLAND, EAST	2	2	2 less	70	− 3	7·5	− 1·4	35	−12	32	−10	591	+ 35	35	+ 2
	4. MIDLAND COUNTIES	2	2	3 less	60	−11	8·0	− 2·2	25	−18	22	−16	564	+ 71	33	+ 4
	5. ENGLAND, SOUTH	1	1	3 less	57	−13	6·9	− 3·3	38	−14	34	−13	613	+ 36	34	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	3	4 less	77	− 7	10·2	− 0·1	31	−13	27	−12	522	+ 10	30	0
	7. ENGLAND, N.W.	3	3	2 less	67	−10	9·6	− 2·1	17	−22	15	−20	477	+ 45	32	+ 3
	8. ENGLAND, S.W.	1	2	4 less	64	−14	10·9	− 3·9	56	+ 8	51	+ 7	698	+ 98	40	+ 6
	9. IRELAND, NORTH	3	3	2 less	83	− 6	10·6	− 2·3	46	+ 3	41	+ 3	526	+ 31	31	+ 2
	10. IRELAND, SOUTH	3	2	3 less	72	−11	12·1	− 3·2	47	+ 1	42	0	571	− 14	33	− 1
	—CHANNEL ISLANDS	1	less than ½	4 less	75	−11	9·4	− 3·1	48	−23	45	−21	756	+ 84	45	+ 4

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period has again undergone a decided change. At first it was very cold and inclement in continuation of the conditions which prevailed at the end of last week, and slight falls of cold rain occurred in many places. Later on, it became gradually milder over the Kingdom as a whole, and slight thunderstorms were reported in several localities. On our east and south-east coasts, however, where dense fog was experienced, the air continued cold.

Temperature was below the mean in nearly all districts, the deficit ranging from 1° to 2°; in Scotland N. and W., however, it was one degree above the normal. The daily maxima during the early part of the week did not exceed 50° in many parts of Great Britain, but, by the middle of the period the thermometer had risen considerably, and between the 22nd and the 25th, the highest of the maxima ranged from 73° in the Midland Counties and Ireland N. and 72° in England S. to 65° in Ireland S. and 64° in Scotland N. and E. The lowest of the minima were recorded on somewhat variable dates, and ranged from 29° in England S.W. (at Llandovery), 30° in Scotland W., and 31° in Ireland N., to 38° in England E. and N.E., and to 44° in the Channel Islands.

Rainfall was a little more than the mean in Scotland E., but was deficient in all other parts of the Kingdom. In most districts the fall was again extremely slight, and at some of our southern and south-western stations there was none whatever.

Bright Sunshine varied a good deal in different localities, but was, as a rule, very deficient, exceeding the mean in England S.W. and Ireland N. only. The percentage of the possible duration ranged from 51 in England S.W., 45 in the Channel Islands, and from between 41 to 42 over Ireland, to 34 in England S., 20 in Scotland E., and only 15 in England N.W.

Barometer and Wind.—At the commencement of the week a depression was filling up in the extreme south-east, and the winds were generally moderate from the Northward. Later on, the conditions became rather complex, several shallow disturbances being formed over our Islands and their immediate neighbourhood. The winds consequently became light and variable, but were mainly from an Easterly point. By the end of the week a large anticyclone was spreading slowly over the Kingdom from the south-westward, and the general conditions were improving.

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II.—DATA from which the SUMMARY on page 121 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	63	38	50·9	41·4	45·9	0·0	30	2	1	0·12	−0·28	*	*	*	*
	Stornoway	63	37	57·0	42·0	49·1	+ 1·4	50	0	4	0·47	−0·14	41·6	− 0·1	35	− 1
	Wick	61	35	54·0	41·0	47·1	− 0·8	40	3	3	0·26	−0·12	*	*	*	*
	Glencarron ℘												*	*	*	*
	Fort Augustus ℘	65	35	56·9	42·8	49·4	+ 0·4	52	0	5	0·38	+0·23	17·7	?	15	?
	Fort William ℘	64	38	58·7	44·6	51·2	+ 1·2	64	0	5	0·48	−0·35	26·8	?	24	?
1. SCOTLAND, E.	Nairn	59	38	54·3	40·9	47·3	− 2·6	42	3	6	0·99	+0·60	*	*	*	*
	Aberdeen	59	40	55·0	41·9	48·1	− 1·1	43	0	3	0·23	−0·21	22·9	−15·2	26	−13
	Braemar ℘	62	25	59·0	37·6	47·7	+ 0·8	58	12	4	0·41	−0·09	33·0†	?†	28†	?†
	Ochtertyre ℘												*	*	*	*
	Leith	59	40	55·7	43·0	49·0	− 1·8	49	0	6	0·80	+0·24	*	*	*	*
	Marchmont ℘	64	38	56·6	41·1	48·4	− 0·2	49	3	6	0·46	−0·06	17·5	?	15	?
2. ENGLAND, N.E.	Alnwick Castle	59	39	54·1	41·6	47·5	− 1·1	40	1	3	0·27	−0·19	*	*	*	*
	Durham	68	39	56·9	40·0	47·9	− 1·5	50	6	7	0·32	−0·13	16·6	−21·2	15	−21
	Shields	56	38	52·6	41·3	46·6	− 2·7	35	2	2	0·21	−0·17	*	*	*	*
	Scarborough ℳ	59	40	53·6	42·1	47·5	− 2·6	39	0	3	0·34	−0·13	*	*	*	*
	York	69	38	59·4	40·6	49·4	− 2·0	58	4	2	0·08	−0·36	17·8	−24·2	13	−22
	Spurn Head	58	41	53·7	43·4	46·8	− 3·9	34	0	3	0·21	−0·17	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	68	40	58·8	42·7	51·3	− 1·6	58	0	3	0·57	+0·14	40·6	− 7·5	36	− 6
	Yarmouth	61	44	54·7	45·0	49·6	− 1·2	53	0	1	0·12	−0·28	*	*	*	*
	Geldeston	65	38	57·2	42·0	49·1	− 2·7	50	0	2	0·20	−0·19	38·7	−13·8	35	−12
	Cambridge	71	41	62·0	42·9	51·9	− 0·9	69	0	1	0·02	−0·45	31·0	−15·0	28	−14
	Rothamsted	67	38	60·1	42·8	50·9	− 0·7	62	0	2	0·26	−0·21	30·9	?	28	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	73	26	60·6	41·1	50·3	− 1·8	62	3	4	0·68	+0·19	*	*	*	*
	Loughborough	71	39	61·3	42·9	51·5	− 1·3	67	0	1	0·01	−0·48	*	*	*	*
	Stamford (Ketton Hall)	71	40	61·7	43·3	52·0	− 0·9	70	0	0	—	−0·52	*	*	*	*
	Cheadle ℳ	66	40	58·8	43·0	50·4	+ 0·5	59	0	1	0·02	−0·56	*	*	*	*
	Solihull	68	41	59·3	43·3	50·8	− 1·1	62	0	1	0·06	?	*	*	*	*
	Churchstoke ℳ	67	35	60·8	40·5	50·0	0·0	62	4	3	0·16	−0·36	23·8	−19·5	21	−18
	Hereford ℳ	72	40	64·0	43·1	53·4	+ 0·6	80	0	2	0·28	−0·20	*	*	*	*
	Cirencester	69	37	61·4	42·1	51·2	− 0·1	64	0	3	0·83	+0·33	31·9	−13·7	29	−12
	Oxford	69	39	61·4	44·3	52·3	− 0·3	72	0	1	0·02	−0·45	24·1	−20·6	22	−18
5. ENGLAND, S.	London	71	41	62·7	44·9	53·3	− 0·5	79	0	1	0·05	−0·39	20·2†	−17·0†	141	−15†
	North Foreland	69	43	61·3	44·4	47·6	− 4·3	39	0	1	0·26	?	*	*	*	*
	Strathfield Turgiss ℳ	72	34	64·8	41·9	52·7	0·0	75	0	3	0·34	−0·06	*	*	*	*
	Dungeness	61	35	56·6	44·0	49·9	− 3·0	55	0	1	0·05	−0·35	*	*	*	*
	Hastings (St. Leonards)	64	40	59·4	45·3	51·9	− 1·5	69	0	0	—	−0·42	42·4	−12·6	39	−12
	Southampton	69	43	64·1	46·5	54·8	+ 1·0	89	0	0	—	−0·47	37·7	−11·2	34	−10
	Hurst Castle	68	45	61·1	47·1	53·7	+ 0·5	82	0	0	—	−0·40	*	*	*	*
	Stowell ℳ	70	39	65·4	42·7	52·4	+ 0·5	73	0	0	—	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	66	37	59·7	43·8	51·3	+ 0·8	65	0	5	0·39	−0·58	*	*	*	*
	Glasgow	62	38	57·8	44·2	50·6	+ 0·1	60	0	3	0·24	−0·52	17·8	−18·1	15	−17
	Ardrossan	63	39	59·4	45·7	52·1	+ 1·2	71	0	4	0·12	−0·45	*	*	*	*
	Glenlee ℘	67	30	61·7	42·2	51·4	+ 1·9	66	0	5	0·55	−0·12	*	*	*	*
	Douglas (Isle of Man)	66	38	58·2	43·2	50·3	− 0·3	58	0	3	0·07	−0·42	45·7	− 7·5	39	− 6
7. ENGLAND, N.W.	Stonyhurst	64	40	56·5	44·7	50·3	− 1·0	58	0	5	0·35	−0·27	17·4	−27·4	15	−24
	Blackpool ℳ	68	36	59·0	44·4	51·4	0·0	66	0	4	0·24	−0·24	19·0	−25·2	17	−24
	Manchester (Prestwich)	67	39	59·0	44·0	51·1	+ 0·2	64	0	3	0·50	−0·05	8·2	?	7	?
	Liverpool Obsy. (Bidston)	69	42	58·4	46·9	52·3	− 0·2	72	0	3	0·26	−0·18	*	*	*	*
	Llandudno ℳ	64	43	57·2	46·6	51·6	− 0·8	67	0	2	0·21	−0·21	32·2	−11·7	29	−11
	Holyhead	62	42	56·3	44·9	50·3	− 1·4	58	0	1	0·01	−0·41	*	*	*	*
8. ENGLAND, S.W.	Llandovery	71	29	65·4	37·1	50·4	− 1·8	79	14	3	0·44	−0·20	*	*	*	*
	Pembroke	60	43	56·3	45·6	50·6	− 0·8	60	0	0	—	−0·46	68·1	+18·7	61	+16
	Bristol (Montpelier)	71	39	64·6	45·2	54·3	+ 1·7	86	0	2	0·38	−0·15	*	*	*	*
	Arlington (N. Devon)	66	36	60·9	40·9	50·3	− 0·5	63	3	0	—	−0·58	*	*	*	*
	Cullompton ℳ	70	37	65·1	42·5	53·1	+ 0·9	78	0	1	0·06	−0·42	38·8	−11·3	35	−12
	Falmouth	62	43	57·6	46·0	51·5	− 1·2	67	0	1	0·06	−0·54	63·0	+12·9	58	+11
	Plymouth	66	44	59·5	45·5	52·1	− 2·4	71	0	1	0·38	−0·07	52·2	+ 4·8	48	+ 4
	Prawle Point	66	42	59·6	45·4	52·1	+ 0·4	71	0	1	0·05	−0·30	*	*	*	*
9. IRELAND, N.	Malin Head	57	42	53·9	44·9	49·1	− 2·6	50	0	3	0·52	?	*	*	*	*
	Londonderry	73	40	63·6	43·1	52·7	+ 0·7	75	0	5	0·59	+0·05	*	*	*	*
	Edenfel (Omagh)	67	36	61·3	41·1	50·6	+ 0·2	64	3	4	0·33	−0·20	*	*	*	*
	Belmullet	61	42	56·0	45·4	50·4	− 2·1	59	0	6	0·16	?	*	*	*	*
	Markree Castle	64	33	59·9	39·0	48·8	− 1·1	60	8	2	0·43	−0·02	43·6	+ 1·4	39	+ 3
	Brookeborough	67	31	61·0	40·8	50·3	− 0·1	63	3	2	0·49	−0·09	*	*	*	*
	Armagh	66	35	60·9	39·7	49·7	− 1·2	64	6	2	0·04	−0·41	46·4	+ 4·2	41	+ 4
	Donaghadee	59	36	55·6	42·6	48·7	− 2·2	47	0	3	0·13	−0·29	*	*	*	*
	Edgeworthstown	66	33	61·0	39·7	49·7	− 0·9	64	6	0	—	−0·60	*	*	*	*
10. IRELAND, S.	Dublin	65	33	60·4	44·1	51·7	− 0·9	68	0	0	—	−0·44	44·6	− 3·6	40	− 4
	Parsonstown	65	34	60·6	40·1	49·7	− 1·9	62	5	2	0·04	−0·48	41·6	− 0·9	37	0
	Kilkenny	64	32	60·4	38·6	48·9	− 3·1	63	10	2	0·06	−0·41	*	*	*	*
	Roche's Point	65	41	58·9	44·0	51·0	− 2·2	63	0	0	—	−0·70	*	*	*	*
	Valencia	60	35	56·7	44·9	50·5	− 2·2	60	0	5	0·71	+0·01	54·7	+ 6·8	49	+ 5
	Killarney	61	35	57·5	40·6	48·5	− 3·4	44	4	5	0·32	?	*	*	*	*
	Foynes	62	41	58·3	42·6	50·0	− 2·1	56	0	4	0·45	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	45	56·0	47·4	51·4	− 1·5	66	0	0	—	−0·38	67·1	?	62	?
	Jersey	70	44	61·3	47·6	54·0	+ 0·1	84	0	2	0·03	−0·39	53·4	−22·7	31	−21

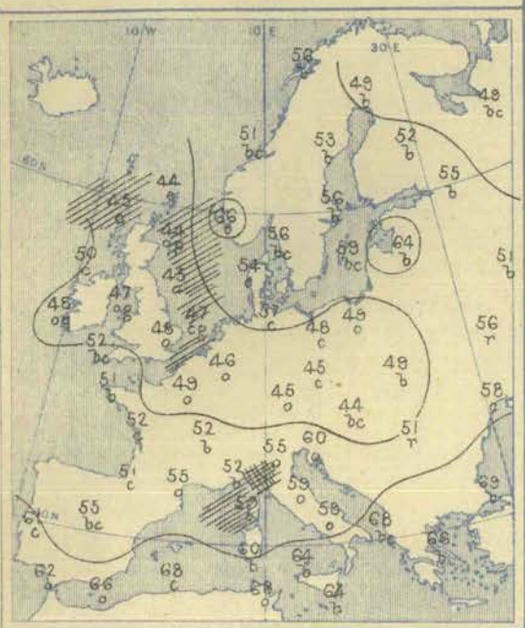
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℘ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

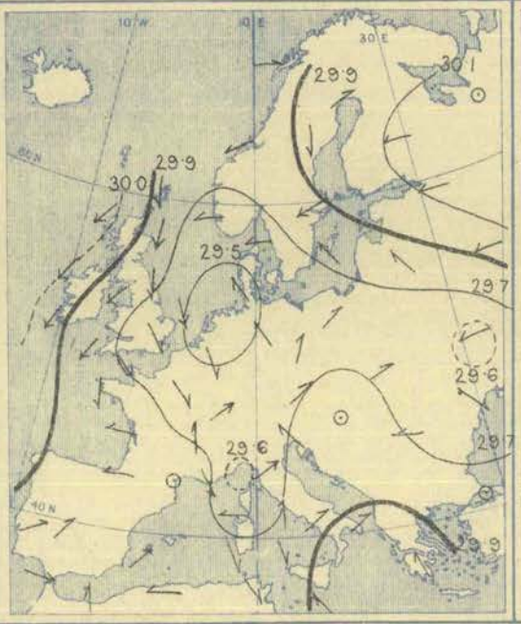
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 19th May.

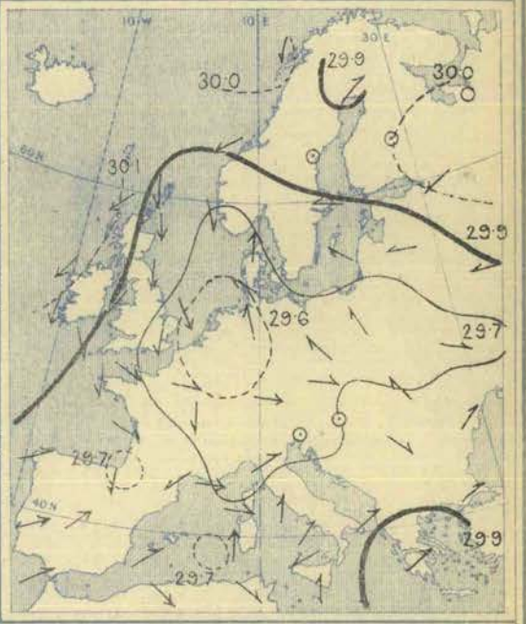
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather cloudy or dull over the United Kingdom generally, with showers at Aberdeen. Fine over Scandinavia and northern Russia, as well as in the southern parts of France and Italy; cloudy in other parts of the Continent, with rain at the Helder, Belfort, and Kiev. Rain falling during day over the north of our Islands generally, as well as in many other isolated parts of western and central Europe. Thunderstorm occurring at Skagen, and lightning seen at Faerder and Biarritz.

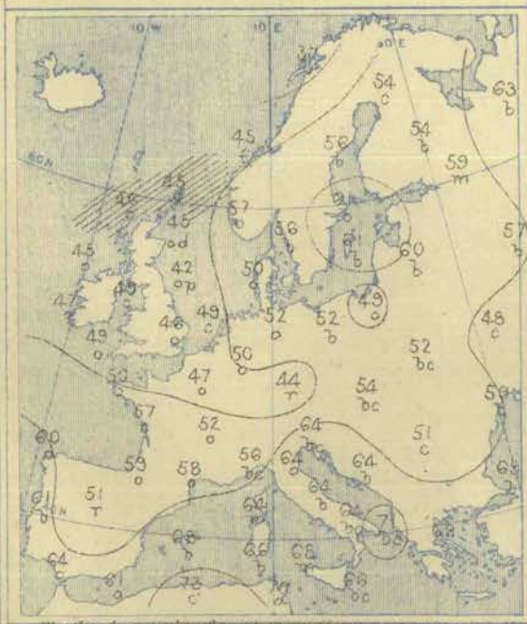
Temperature fallen over central Europe, risen in Italy, changed irregularly elsewhere. Morning readings highest, (1) 69° at Constantinople and 68° at Brindisi, Algiers, and Tunis, above 60° in many parts of southern Europe; (2) 66° at Skudesnaes, 64° at Riga, and 60° at Faerder. Lowest, (1) 40° at Belfort, 43° at Vienna, and 44° at Warsaw and Buda-Pesth; (2) 44° at Sumburgh Head and Aberdeen; below 50° in most parts of western and central Europe. Thermometer remaining below 50° all day at several of our own northern, eastern, and south-eastern stations, but reaching 66° (locally) at Prawle Point. Exceeding 65° in most parts of southern Europe, and exceeding 70° at many of the Mediterranean stations.

Wind fresh to strong from the Northward in our Islands, light from the North-Westward over the greater part of France; Southerly or South-Westerly over Italy and south Germany; South-Easterly in Denmark; Easterly or North-Easterly over northern Russia and the southern parts of Scandinavia. Light from the Westward or South-Westward in the north of Scandinavia. Variable over south-eastern Europe. No important change occurring during day.

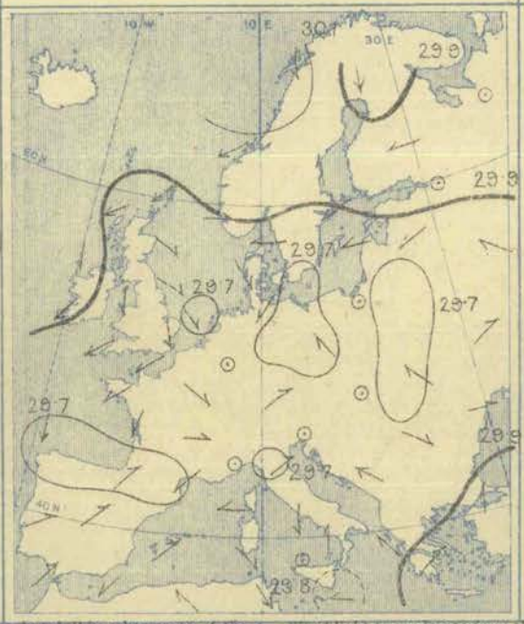
Barometer highest, 30·1 ins. and upwards in a large anticyclone over northern Russia; 30·0 ins. and upwards in another system lying to the westward of our Islands. Lowest, 29·5 ins. and less in a depression over Holstein, the Netherlands, and the southern parts of the North Sea; 29·6 ins. and less in small disturbances lying respectively near Kiev and over the Gulf of Genoa. Former depression moving south-westwards later and gradually filling up barometer rising a little in most places.

Monday, 20th May.

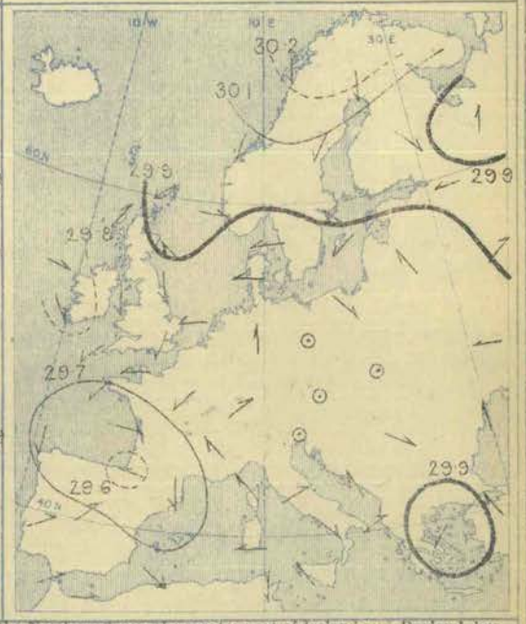
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at many of our western coast stations, but dull in other parts of the United Kingdom, with rain in the east of Scotland, and passing showers at Shields and Malin Head. Fine and bright over Scandinavia, Russia, Austria, and the south of Italy, dull in most other parts of the Continent, with rain at Munich, Bilbao, and Madrid. A little rain falling later at many of our own northern stations, and larger quantities over the southern parts of France, with thunderstorms at Lyons, Toulouse, and Biarritz.

Temperature fallen a little in most of the western countries, risen or changed irregularly elsewhere. Morning readings highest, 73° at Algiers, 71° at Brindisi, 70° at Stax, and 69° at Athens and Constantinople; above 60° over southern Europe generally, as well as in the south of Sweden and some parts of northern Russia. Lowest, 37° at Bodö, 40° at Nairn, 42° at Shields, and 43° at Leith, York, Malin Head, and Parsonstown; below 50° over the United Kingdom generally, as well as in central France and south Germany. Daily maxima below 55° in nearly all parts of our Islands, and below 50° at some of our northern stations; thermometer exceeding 70° in many parts of southern Europe, and reaching 86° at Palermo.

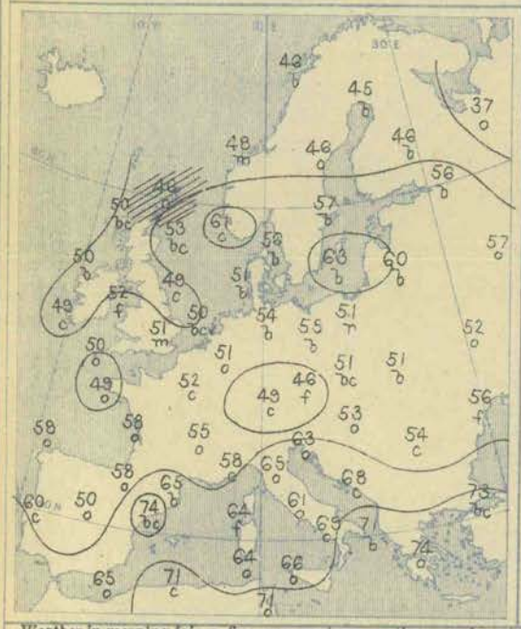
Wind light to moderate from the Northward over the greater part of Ireland and England, but fresh or strong from the North-Eastward in the extreme north of Scotland and also in the west of Norway. Light from the North-Eastward over the Channel and Bay of Biscay, and from the same quarter or from East over Denmark, north Germany, and the Baltic. Variable in most of the central and southern countries, but South-Westerly at several of the Spanish stations. Subsequently shifting to the South-Eastward over Scotland and the north of Ireland; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and less in an anticyclone lying off the north-west of Norway. Lowest, 29·7 ins. and less in several shallow depressions lying over various parts of central and southern Europe; 29·8 ins. and less in a disturbance which was apparently forming over the east of Scotland. Scotch depression subsequently moving away to the Atlantic; barometer rising on our north and east coasts but falling a little in the west; depressions over central Europe beginning to fill up.

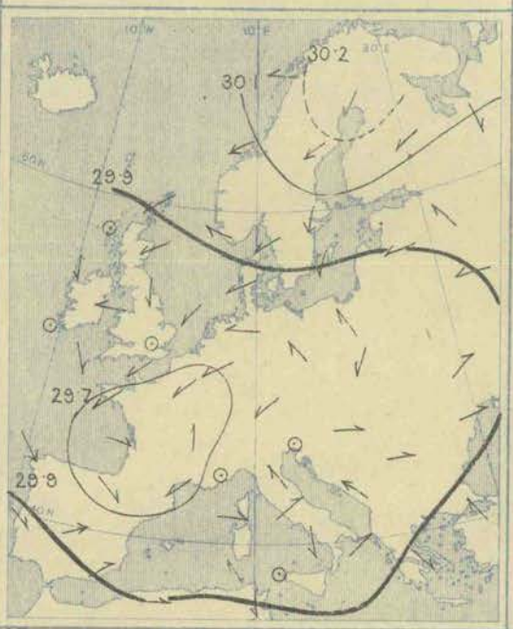
Wyman & Sons, Limited, 53 Carter Lane.

Tuesday, 21st May.

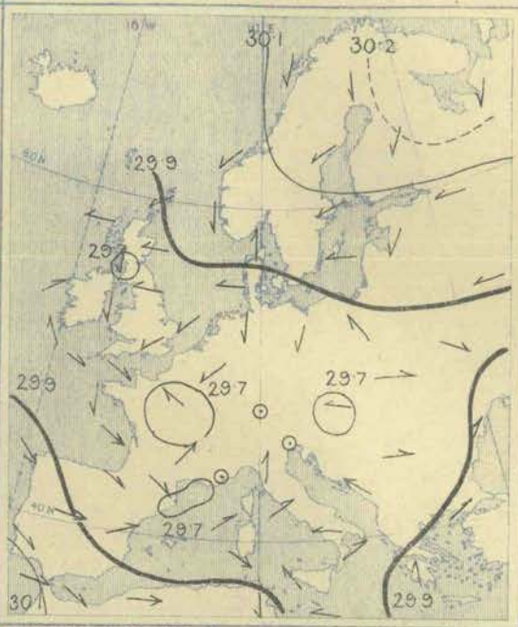
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western, northern, and central Europe generally, but dull and misty in several parts of the United Kingdom, and rainy in the north of Ireland, as well as at Spurn Head. Dull over the greater part of France and southern Europe; rainy at Swinemünde and Neufahrwasser. A little rain falling later at several of our own western and northern stations, and larger quantities in the south of France (as much as 1·7 ins. at Gap); thunder heard at Malin Head and the Helder, and thunderstorms occurring at Toulouse and Perpignan.

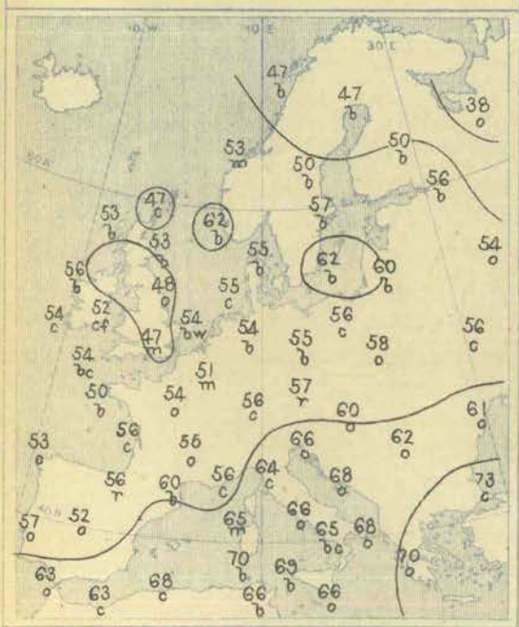
Temperature risen a little in most parts of western Europe, fallen over Sweden and northern Russia, changed irregularly elsewhere. Morning readings highest, 74° at Barcelona and Athens, 73° at Constantinople, and 71° at Brindisi, Algiers, and Sfax; above 60° over southern Europe generally, and also at some stations in the south of Scandinavia. Lowest, (1) 37° at Archangel and 45° at Haparanda; (2) 46° at Sumburgh Head and Cambridge; (3) 46° at Prague and 47° at Belfort. Daily maxima over England higher than of late; thermometer rising to 61° at Cambridge and 63° in London. Exceeding 70° in many parts of southern Europe.

Wind Easterly or North-Easterly over western and northern Europe generally; light or moderate in force in most places, but fresh or strong at some of the Scandinavian stations. Westerly or North-Westerly over the Spanish Peninsula and the southern parts of the Bay of Biscay; variable over Germany, Austria, and the south of Russia; chiefly Southerly in Italy. Light Southerly breezes setting in later in the west and south of Ireland, and variable airs in the south-east of England, no important change occurring elsewhere.

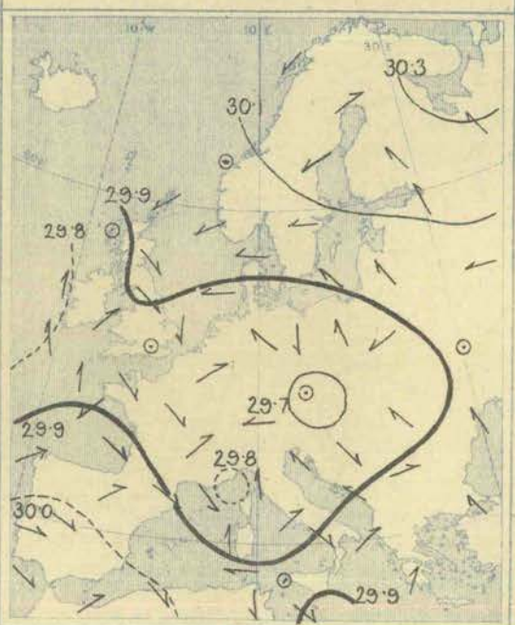
Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the northern parts of Scandinavia. Lowest, 29·7 ins. and less in a large shallow depression over France and the north-east of Spain. Depression subsequently moving northwards, but beginning to disperse; barometer rising a little in most parts of western Europe, but falling a little on our own extreme north-west coasts.

Wednesday, 22nd May.

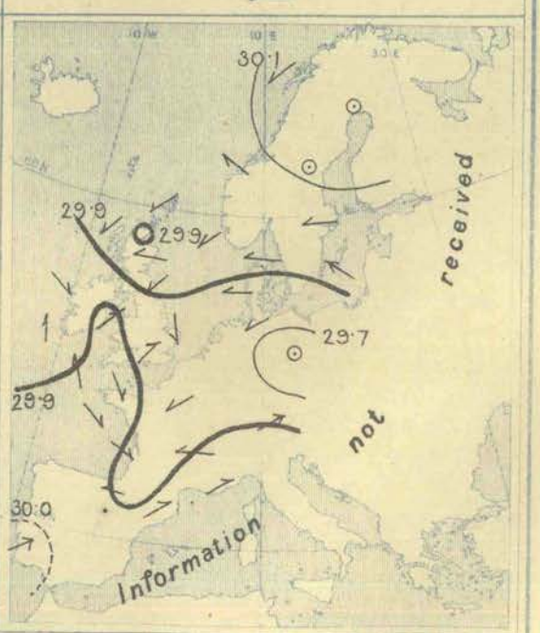
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the United Kingdom generally, but with mist or fog at several of our northern and central stations. Fine in most of the northern and central parts of the Continent, but cloudy or dull in most of the southern countries, with rain at Biarritz and also at Prague. Showers falling later over the northern parts of our Islands, with thunder in the north of Scotland. Rain falling also in the neighbourhood of the Skager Rack and at some of the French stations, with a thunderstorm at Paris in the evening.

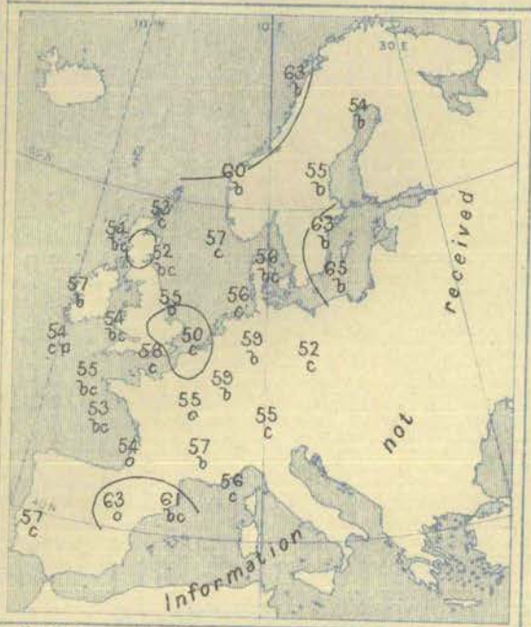
Temperature risen in most places. Morning readings highest, 73° at Constantinople, 70° at Patras and Cagliari, and 69° at Athens and Palermo; above 60° over the Mediterranean and Adriatic generally, as well as at some of the Baltic and southern Scandinavian stations. Lowest, (1) 38° at Archangel and 47° at Haparanda and Bodö; (2) 47° at Sumburgh Head, Wick, Donaghadee, London, and Oxford; below 50° in many parts of the United Kingdom. Rising during day to 60° and upwards at several of the English stations, and reaching 67° in London; exceeding 65° in France, and rising to 72° at Perpignan.

Wind light to moderate from the Eastward or North-Eastward over Scandinavia, Denmark, and northern Russia, from the Northward on the east and south-east coasts of Great Britain, and from the North-Westward over the English Channel and France, and from the Southward or South-Westward in Italy. Variable over Germany, Austria, and south-eastern Europe generally. Variable on our own north-west coasts, Southerly or South-Westerly in the extreme south-west of our Islands; Westerly or North-Westerly over the Spanish Peninsula; no important change during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone over northern Russia; 30·0 ins. and upwards over Algeria and the southern and central parts of the Spanish Peninsula. Lowest, 29·8 ins. and less in a large shallow depression over Austria, Germany, and the Netherlands, as well as in smaller systems lying respectively over the Gulf of Genoa and off the west of Ireland. Scarcely any change occurring over western Europe during day.

Thursday, 23rd May.

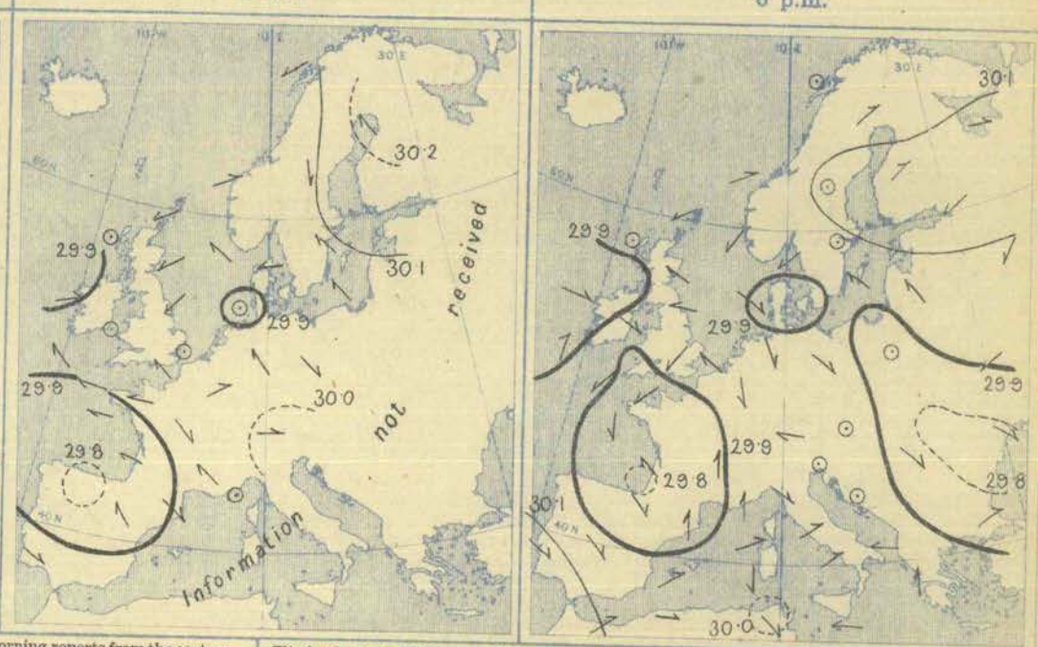
Temperature and Weather. 8 a.m.



Weather in morning fair or fine over western Europe generally (morning reports from the eastern and southern countries not to hand), but foggy in the east of England and dull in the south-west of France, as well as at Lisbon. Thunderstorms or thunder only occurring during day in many parts of England and France; rain falling over the Spanish Peninsula and northern Italy.

Temperature changed rather irregularly, but risen in most places, briskly in the north-west of Norway. Morning readings highest, (1) 65° at Wisby, 63° at Bodö and Stockholm, and 60° at Christiansund; (2) 63° at Biarritz and 61° at Perpignan; above 55° in the extreme south of England. Lowest, 47° at York, Spurn Head, and the North Foreland, 48° at Cambridge, and 49° at Nairn and the Helder. Rising during day to between 68° and 71° over the inland parts of England; exceeding 70° over France, Italy, and the north of Spain, and reaching 79° at Gap.

Barometer and Wind. 8 a.m. and 6 p.m.

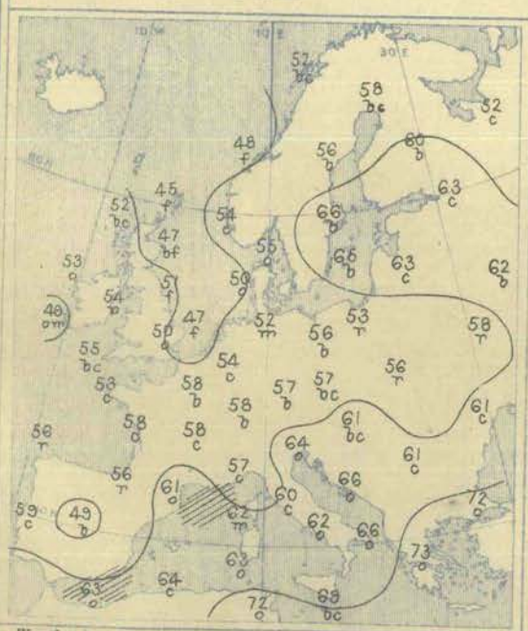


Wind calm or variable over all the more central parts of the United Kingdom, but light from the Eastward on our extreme northern and southern coasts, as well as in the west of France, and at most of the Scandinavian and Danish stations. Light from the South-Westward over the Netherlands; variable over the central and southern parts of France; North-Westerly or Westerly in Germany. Southerly breezes setting in later at most of the Irish stations; cyclonic circulation of light winds appearing over Denmark and the south of Scandinavia. Becoming very variable in the west of France.

Barometer highest, 30·2 ins. and upwards in the north of Sweden; 30·0 ins. and upwards in Bavaria and also in the south of Portugal. Lowest, 29·8 ins. and less in a shallow depression over the southern part of the Bay of Biscay; 29·9 ins. and less in several small systems lying over Denmark, Germany, and our extreme north and north-west coasts. Depression over Bay of Biscay subsequently moving eastwards; other disturbances appearing over various parts of our Islands and France, and distribution of pressure becoming very irregular.

Friday, 24th May.

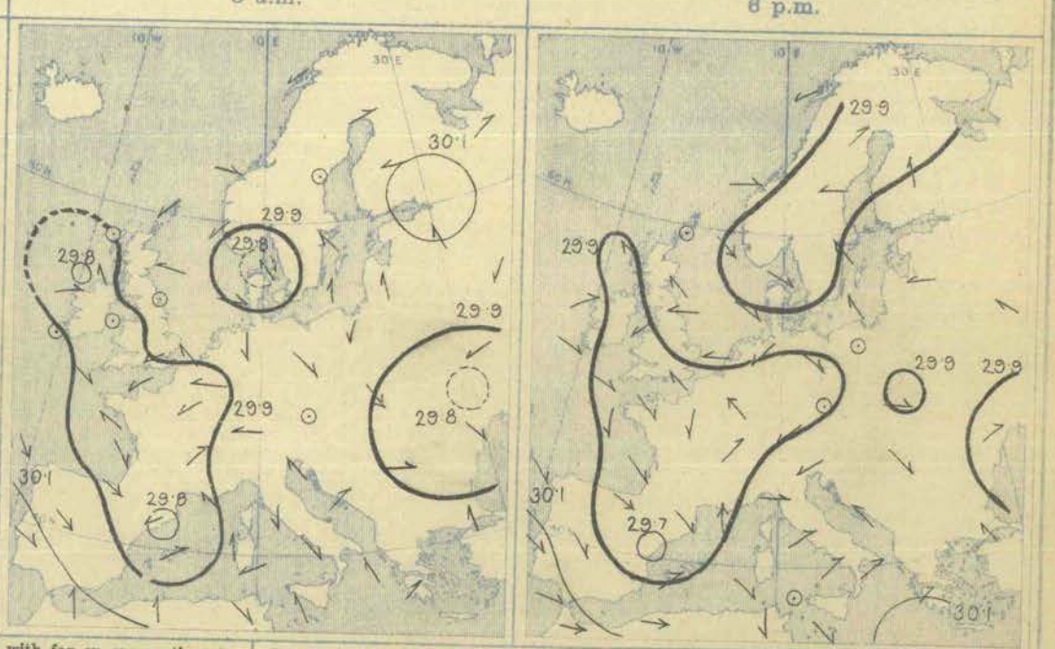
Temperature and Weather. 8 a.m.



Weather in morning cloudy over the United Kingdom generally, with fog on our south-east, east, and north coasts, but fine in the south-west of England. Fine over Sweden, northern Russia, and the greater part of central Europe, as well as in central Spain; dull in most other parts of the Continent, with rain at Carlstadt and Neufahrwasser, as well as at Biarritz and several of the Spanish stations. Showers falling later in various parts of our Islands; thunderstorms occurring in the south of Scotland, as well as at Liverpool and Carlstadt. Thunderstorms and heavy rain occurring over France and south Germany.

Temperature changed very irregularly. Morning readings highest, 73° at Athens and Patras, 72° at Constantinople and Sfax, and 69° at Malta; above 60° at the Mediterranean and Adriatic stations generally, as well as over Finland and the Baltic. Lowest, 45° at Sumburgh Head and 47° at Wick, Aberdeen, Leith, and Yarmouth; below 50° on most parts of our north and east coasts. Rising during day to between 68° and 71° over the inland parts of England, as well as at some of the south coast stations, and to between 70° and 75° in most parts of central and southern Europe.

Barometer and Wind. 8 a.m. and 6 p.m.

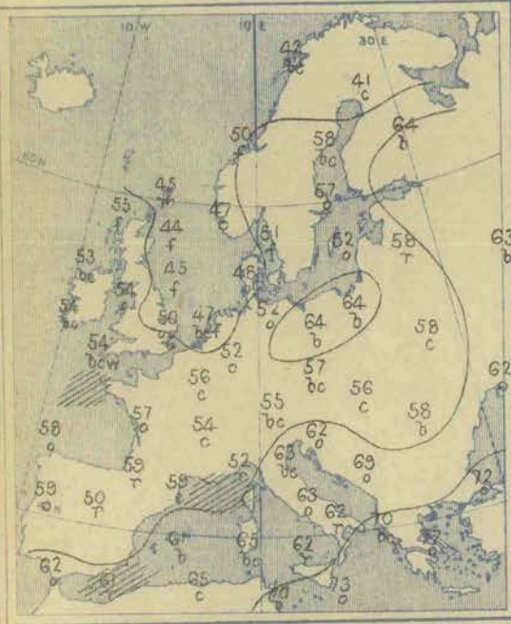


Wind light from the Eastward or North-Eastward over Great Britain, the Netherlands, and the north of France, fresh from the North-Westward or Westward over Spain and the south-west of France. Variable in most other parts of Europe, but cyclonic circulations of light breezes shown respectively over Denmark and the south of Scandinavia and also over the south of Russia. North-Westerly breezes setting in later on our own west and south-west coasts, no important change occurring elsewhere.

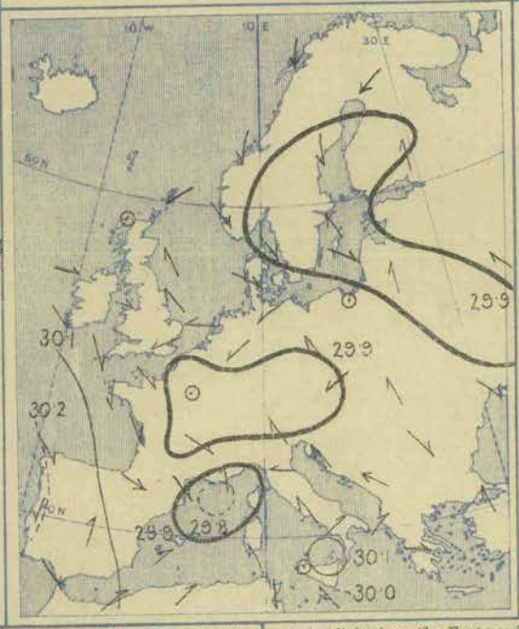
Barometer highest, 30·1 ins. and upwards in an anticyclone over north-western Russia, and also in another system over Morocco and the south-western parts of the Spanish Peninsula. Lowest, 29·7 ins. and less in a small depression near Barcelona, 29·8 ins. and less in two other systems, one lying over the north of Denmark, and the other over the south of Russia, 29·85 ins. and less in a shallow disturbance off the north-west of Ireland, another shallow system forming later over central France, general distribution of pressure remaining very complex.

Saturday, 25th May.

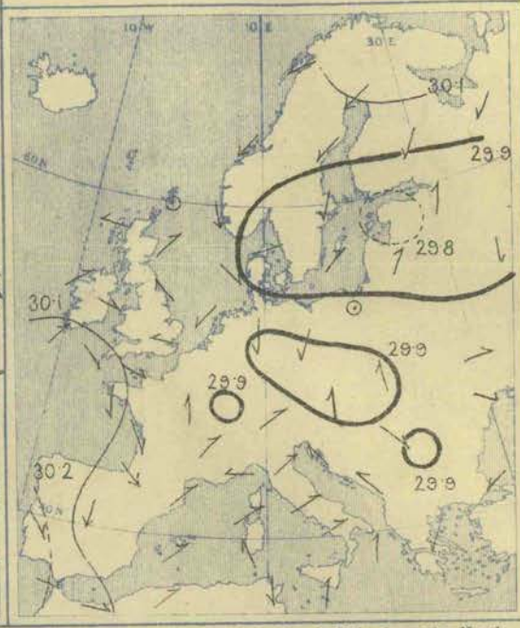
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy in all but the south-western parts of the United Kingdom, with fog on most of our north-west, north, and east coasts, as well as at the Helder and Cape Gris Nez. Fine in Germany and Austria, as well as at several of the Scandinavian stations; cloudy in most other parts of the Continent, with rain over the Baltic Provinces and the Gulf of Finland, and also in many parts of Spain, Italy, and the south of France. Rain falling later at several of our own western and northern stations, with thunderstorms in places. Thunderstorm occurring also at Carlstadt and heavy rain at Nice.

Temperature fallen in the eastern and central parts of Great Britain, as well as over the greater part of northern and central Europe, risen a little in most other localities. Morning readings highest, 77° at Athens, 75° at Patras, 73° at Malta, and 72° at Constantinople; above 60° over Italy and also at several of the German and Russian stations. Lowest, (1) 41° at Haparanda and 42° at Bodö; (2) 44° at Aberdeen and York, and 45° at Sumburgh Head, Shields, Spurn Head, and the North Foreland. Rising during day to between 65° and 69° over the inland parts of England, but not exceeding 59° on our east and south-east coasts.

Wind light from the Eastward in most parts of England and Scotland; light from the North-Westward or Northward on our south-west coasts, moderate to strong from the same quarters over the Bay of Biscay and the Spanish Peninsula. North-Easterly in the north of Scandinavia, but North-Westerly over Denmark and the south of Scandinavia. Cyclonic circulation of light breezes reported over Germany and the east of France, South-Westerly in the south of Italy. Subsequently becoming very variable over the north and east of our Islands; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying off the Portuguese coasts, 30·0 ins. and upwards over the eastern parts of Great Britain and the northern parts of Scandinavia. Lowest, 29·8 ins. and less in a small depression over the Gulf of Lion; distribution of pressure over western Europe very irregular. Atlantic anticyclone spreading north-eastwards later, and barometer rising in nearly all parts of western Europe.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 8 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was high both over northern Europe and off our north-west coasts, low over the Netherlands, the south of Russia, and the south of France. Cold and inclement Northerly winds were still prevalent over the British Islands and France, but, over the Baltic and western Russia, the wind was Easterly and South-Easterly and the weather warmer. During the succeeding 48 hours the Northerly current over the United Kingdom gave way, and temperature showed some tendency to rise, and, after Tuesday, the wind became very light generally, and the rise of temperature more decided. Throughout the remainder of the week shallow disturbances of very irregular form prevailed almost all over Europe. Temperature increased very generally, and became rather high for the time of year; a good deal of cloud prevailed, thunderstorms occurred in some places, and thick fogs occurred off our east and south-east coasts. At the end of the week an anticyclone was beginning to spread over western Europe from the south-westward, and the weather was inclined to clear over the British Islands.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 122.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	*Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	10·0	?	9	?	EASTBOURNE	58·4	?	35	?
OSWALDKIRK (Yorkshire)	28·0	?	25	?	MANCHESTER (Oldham Road)	7·9*	?	7*	?
WORKSOP	20·4	−19·1	18	−18	TENBY	54·4*	?	49*	?
THURCASTON (Leicestershire)	22·7	−13·2	20	−16	NEWQUAY	62·2	?	57	?
MARGATE	17·9	?	16	?	TORQUAY	52·5*	?	48*	?
WESTBOURNE (Sussex)	51·3*	?	47*	?	ARLEY COTTAGE (County Cavan)	47·3	?	42	?
BRIGHTON	50·5	?	46	?	GUERNSEY	43·8*	?	41*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt. Lith 63, Carker Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 22.] *Third Series.* WEEK ENDING SATURDAY, JUNE 1ST, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series

Temperature of the Air.

	DISTRICTS. (See p. 128.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	76	40	63·4	46·7	54·6	5 above	88	+36	0	− 3	444*	+ 58	810	+236
	1. SCOTLAND, EAST	81	36	69·0	45·3	56·4	6 above	101	+32	0	− 2	510*	− 12	987	+415
	2. ENGLAND, N.E.	82	42	67·4	47·5	56·9	6 above	104	+39	0	− 2	531	+ 22	783	+278
	3. ENGLAND, EAST	87	38	69·2	46·4	57·1	4 above	106	+21	0	− 2	661	+ 5	854	+234
	4. MIDLAND COUNTIES	84	36	72·7	47·3	59·3	6 above	121	+37	0	− 1	694	+ 11	933	+372
	5. ENGLAND, SOUTH	85	39	67·9	49·3	58·1	4 above	113	+23	0	0	681	− 55	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	77	37	66·4	48·2	56·7	5 above	103	+31	0	− 1	565	+ 12	778	+334
	7. ENGLAND, N.W.	82	40	67·9	50·3	58·5	6 above	116	+39	0	0	586	+ 8	724	+30
	8. ENGLAND, S.W.	83	35	67·3	48·4	57·3	4 above	107	+26	0	0	659	− 43	654	+33
	9. IRELAND, NORTH	80	41	66·7	49·0	57·3	5 above	107	+33	0	− 1	612	− 39	642	+275
	10. IRELAND, SOUTH	77	41	65·3	48·7	56·5	3 above	102	+21	0	0	684	− 91	479	+195
	—CHANNEL ISLANDS	75	43	65·4	52·0	58·3	4 above	114	+26	0	0	756	− 68	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 128.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	1	5 less	93*	− 9	15·1*	− 5·0	48	+10	40	+ 8	496	+ 2	30	0
	1. SCOTLAND EAST	1	1	4 less	74	− 8	9·0*	− 2·8	66	+12	53	+10	557	+ 46	34	+ 2
	2. ENGLAND, N.E.	2	5	1 more	80	+ 3	10·1	+ 0·6	53	+13	46	+10	593	+ 78	32	+ 4
	3. ENGLAND, EAST	2	5	1 more	72	− 3	8·0	− 1·3	67	+19	60	+18	658	+ 55	37	+ 3
	4. MIDLAND COUNTIES	2	3	2 less	62	−11	8·3	− 2·4	65	+22	58	+21	629	+ 93	34	+ 5
	5. ENGLAND, SOUTH	3	2	2 less	70	− 2	7·1	− 3·5	60	+13	54	+11	678	+ 47	35	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	1	6 less	78	−10	10·3	− 9·7	55	+11	48	+10	577	+ 22	32	+ 2
	7. ENGLAND, N.W.	3	4	1 less	70	−10	10·0	− 2·2	55	+14	48	+12	532	+ 59	33	+ 3
	8. ENGLAND, S.W.	2	5	1 less	63	−16	11·4	− 3·9	74	+24	67	+22	772	+122	42	+ 7
	9. IRELAND, NORTH	2	1	4 less	85	− 7	10·7	− 2·8	55	+18	48	+12	581	+ 44	32	+ 2
	10. IRELAND, SOUTH	2	6	0 (average)	74	−13	12·7	− 3·2	53	+ 7	47	+ 6	624	− 7	34	0
	—CHANNEL ISLANDS	3	8	4 more	78	−11	10·2	− 2·7	70	+24	64	+22	826	+107	47	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was generally fine and dry during the greater part of the week, but towards its close it became unsettled, and thunderstorms were experienced in many localities, accompanied by very heavy rain at Cambridge on Thursday and at York on Saturday. Thick fog again prevailed on our east and south-east coasts during the earlier part of the period.

Temperature was much above the mean, the excess ranging from 3° in Ireland S., to 6° in Scotland E., England N.E. and N.W., and in the Midland Counties. The highest of the maxima were recorded on May 30th, when the thermometer rose to 87° in England E. (at Cambridge), to 85° in England S., and to between 80° and 84° in most other parts of the Kingdom. The lowest of the minima, occurred, as a rule, during the earlier part of the period, and varied from 35° in England S.W., and 36° in Scotland E. and the Midland Counties, to 42° in England N.E., and 43° in the Channel Islands. The range of temperature during the week was very large, especially at the inland stations.

Rainfall exceeded the mean in England N.E. and the Channel Islands, and just equalled it in Ireland S., in all other districts, however, there was again a deficiency.

Bright Sunshine was much more prevalent than during the preceding week, and exceeded the mean in all districts. The percentage of the possible duration ranged from 67 in England S.W., and 64 in the Channel Islands, to 46 in England N.E., and to 40 in Scotland N.

Barometer and Wind.—During the earlier part of the week the distribution of pressure was anticyclonic, with light and somewhat variable winds. Later on, however, the anticyclone moved eastwards, the wind became Southerly, and depressions approached our western coasts, while some small "thunderstorm" disturbances passed over us from the southward and south-westward. At the end of the period a depression was travelling south-eastwards off our south-west coasts, and the wind over England was shifting to the Eastward.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 127 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	58	42	55·7	44·6	49·8	+ 2·7	55	0	1	0·06	−0·36	*	*	*	*
	Stornoway	71	40	64·0	47·6	55·3	+ 6·6	93	0	1	0·39	−0·24	51·5	+10·0	43	+8
	Wick	67	41	61·7	45·3	53·0	+ 3·8	77	0	2	0·03	−0·35	*	*	*	*
	Glencarron Ⓢ	76	42	65·9	47·3	56·0	+ 6·7	98	0	3	0·11	−1·02	*	*	*	*
	Fort Augustus Ⓢ	72	40	67·1	46·1	56·0	+ 5·5	98	0	2	0·02	−0·43	41·1	?	35	?
	Fort William Ⓢ	73	44	66·2	49·4	57·3	+ 5·8	107	0	3	0·11	−0·76	50·5	?	42	?
1. SCOTLAND, E.	Nairn	72	39	68·9	44·1	55·8	+ 4·5	97	0	0	—	−0·40	*	*	*	*
	Aberdeen	71	43	64·1	46·3	54·7	+ 4·2	89	0	1	0·01	−0·41	58·1	+12·0	49	+11
	Braemar Ⓢ	70	36	68·0	40·5	53·4	+ 4·9	86	4	2	0·03	−0·47	69·7†	?†	59†	?†
	Ochtertyre Ⓢ	75	40	71·1	45·9	57·7	+ 6·7	110	0	2	0·07	−0·49	*	*	*	*
	Leith	74	41	70·4	47·1	58·1	+ 5·8	113	0	1	0·08	−0·27	*	*	*	*
	Marchmont Ⓢ	81	45	71·6	47·7	58·9	+ 8·4	118	0	1	0·30	−0·23	70·3	?	60	?
2. ENGLAND, N.E.	Alnwick Castle	69	43	65·3	46·7	55·4	+ 5·4	94	0	2	0·15	−0·26	*	*	*	*
	Durham	77	42	72·7	46·9	59·0	+ 8·0	119	0	2	0·39	−0·05	53·3	+12·7	46	+11
	Shields	71	42	65·3	46·7	55·4	+ 4·7	94	0	2	0·05	−0·33	*	*	*	*
	Scarborough Ⓜ													*	*	*
	York	82	43	74·1	49·0	60·8	+ 8·4	132	0	2	1·31	+0·84	54·5	+13·4	47	+9
	Spurn Head	69	44	59·7	48·4	53·7	+ 1·5	82	0	2	0·70	+0·32	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	83	42	73·8	47·1	59·7	+ 6·3	124	0	2	0·49	+0·04	71·0	+23·2	63	+22
	Yarmouth	64	43	57·0	47·6	52·0	− 0·3	70	0	2	0·05	−0·43	*	*	*	*
	Geldeston	76	38	67·3	44·2	55·1	+ 1·9	92	0	2	0·35	−0·05	73·4	+20·9	66	+20
	Cambridge	87	41	75·3	46·6	60·1	+ 5·9	127	0	2	1·64	+1·15	60·3	+14·1	54	+13
	Rothamsted	83	41	72·5	46·5	58·7	+ 5·7	117	0	3	0·11	−0·35	64·9	?	58	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	84	39	75·6	45·9	59·9	+ 6·5	125	0	2	0·43	−0·07	*	*	*	*
	Loughborough	83	39	75·3	48·3	61·0	+ 6·6	133	0	2	0·23	−0·26	*	*	*	*
	Stamford (Ketton Hall)	83	36	74·6	43·1	57·9	+ 3·5	111	0	3	0·47	−0·01	*	*	*	*
	Cheadle Ⓜ	79	46	69·9	49·7	59·2	+ 7·8	120	0	2	0·37	−0·23	*	*	*	*
	Solihull	78	42	71·1	48·2	59·0	+ 5·6	119	0	3	0·19	?	*	*	*	*
	Churchstoke Ⓜ	79	40	70·5	45·7	57·4	+ 5·9	108	0	3	0·27	−0·25	61·9	+18·7	55	+17
	Hereford Ⓜ	81	43	73·4	48·1	59·9	+ 5·6	125	0	2	0·19	−0·30	*	*	*	*
	Cirencester	82	41	71·3	48·0	59·0	+ 6·4	119	0	1	0·30	−0·20	64·1	+18·3	57	+17
	Oxford	83	41	73·0	48·7	60·1	+ 5·9	127	0	2	0·10	−0·38	69·7	+24·7	64	+23
5. ENGLAND, S.	London	85	45	74·3	50·1	61·5	+ 6·2	137	0	2	0·08	−0·37	52·5†	+ 9·0†	47†	+9†
	North Foreland	72	42	61·1	47·9	54·1	+ 0·6	85	0	2	0·32	?	*	*	*	*
	Strathfield Turgiss Ⓜ	85	39	74·9	45·8	59·5	+ 5·3	123	0	3	0·11	−0·29	*	*	*	*
	Dungeness	71	44	61·3	49·6	55·1	+ 0·7	92	0	1	0·03	−0·37	*	*	*	*
	Hastings (St. Leonards)	75	46	65·8	49·9	57·4	+ 2·7	108	0	2	0·21	−0·21	62·7	+ 7·6	56	+6
	Southampton	78	44	70·6	50·0	59·7	+ 4·4	124	0	3	0·33	−0·15	69·7	+20·4	61	+20
	Hurst Castle	74	46	66·1	51·7	58·5	+ 3·8	116	0	3	0·33	−0·05	*	*	*	*
	Stowell Ⓜ	76	46	69·3	49·6	58·9	+ 5·5	118	0	4	0·29	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	75	47	68·7	51·8	59·7	+ 8·0	124	0	0	—	−1·00	*	*	*	*
	Glasgow	77	44	68·3	49·4	58·2	+ 6·2	113	0	2	0·14	−0·41	55·2	+18·9	47	+16
	Ardrossan	75	47	63·7	50·7	56·8	+ 4·6	104	0	0	—	−0·57	*	*	*	*
	Glenlee Ⓢ	74	37	67·9	43·7	54·8	+ 3·6	90	0	2	0·04	−0·63	*	*	*	*
	Douglas (Isle of Man)	74	41	63·6	45·6	54·1	+ 2·6	85	0	2	0·18	−0·32	55·0	+ 3·6	48	+1
7. ENGLAND, N.W.	Stonyhurst	76	42	68·3	50·3	58·8	+ 6·3	118	0	2	1·18	+0·53	55·3	+10·3	48	+1
	Blackpool Ⓜ	80	40	68·4	46·6	56·5	+ 3·8	102	0	3	0·43	−0·07	58·6	+12·5	51	+3
	Manchester (Prestwich)	79	44	72·3	50·9	61·0	+ 8·6	133	0	2	0·20	−0·42	53·3	?	46	?
	Liverpool Obsy. (Bidston)	80	48	67·5	52·3	59·4	+ 5·6	122	0	3	0·14	−0·28	*	*	*	*
	Llandudno Ⓜ	82	48	67·0	51·5	58·7	+ 5·0	117	0	3	0·47	+0·06	61·6	+17·8	55	+16
	Holyhead	74	47	64·0	50·1	56·6	+ 3·4	102	0	3	0·13	−0·29	*	*	*	*
8. ENGLAND, S.W.	Llandovery	83	35	74·1	43·6	57·9	+ 4·2	111	0	2	0·14	−0·50	*	*	*	*
	Pembroke	65	48	60·9	50·1	54·8	+ 2·2	90	0	2	0·40	−0·05	64·1	+12·5	57	+11
	Bristol (Montpelier)	82	46	72·9	51·0	61·3	+ 7·1	135	0	3	0·30	−0·23	*	*	*	*
	Arlington (N. Devon)	76	40	68·0	47·1	56·0	+ 5·0	104	0	2	0·25	−0·45	*	*	*	*
	Cullompton Ⓜ	75	40	70·9	46·3	57·9	+ 4·5	111	0	2	0·59	+0·11	70·0	+23·6	63	+22
	Falmouth	66	47	65·3	50·4	56·5	+ 2·7	102	0	2	0·78	+0·29	78·9	+27·6	72	+25
	Plymouth	72	45	65·6	49·6	57·1	+ 1·4	106	0	2	0·84	+0·40	80·5	+32·7	73	+26
	Prawle Point	70	47	63·3	48·9	55·7	+ 2·7	96	0	2	0·33	−0·01	*	*	*	*
9. IRELAND, N.	Malin Head	68	50	63·3	51·9	57·4	+ 4·5	108	0	0	—	?	*	*	*	*
	Londonderry	80	46	71·5	50·7	60·5	+ 7·3	130	0	2	0·03	−0·51	*	*	*	*
	Edenfel (Omagh)	77	44	67·9	48·9	57·8	+ 7·1	111	0	2	0·08	−0·47	*	*	*	*
	Belmullet	74	46	64·0	53·1	58·2	+ 5·0	113	0	2	0·35	?	*	*	*	*
	Markree Castle	75	42	67·2	47·0	56·5	+ 5·3	102	0	2	0·42	−0·07	51·8	+10·8	45	+11
	Brookeborough	76	41	68·0	47·9	57·4	+ 5·6	108	0	3	0·10	−0·40	*	*	*	*
	Armagh	75	44	67·2	47·8	56·9	+ 4·8	104	0	2	0·03	−0·42	57·8	+15·8	50	+13
	Donaghadee	64	44	61·3	46·7	53·6	+ 1·4	81	0	1	0·02	−0·48	*	*	*	*
	Edgeworthstown	76	42	69·7	46·8	57·6	+ 5·7	109	0	2	0·17	−0·48	*	*	*	*
10. IRELAND, S.	Dublin	72	46	66·7	50·9	58·3	+ 4·5	114	0	1	0·07	−0·37	66·4	+18·9	59	+16
	Parsonstown	77	43	68·7	46·3	56·8	+ 3·6	104	0	2	0·57	+0·04	57·7	+15·5	51	+15
	Kilkenny	73	41	66·2	46·6	55·9	+ 2·5	97	0	2	0·43	−0·06	*	*	*	*
	Roche's Point	64	45	61·4	50·0	55·4	+ 1·0	94	0	3	0·60	−0·10	*	*	*	*
	Valencia	74	43	63·7	50·7	56·8	+ 3·1	104	0	4	0·99	+0·29	33·4	−14·5	30	−13
	Killarney	75	43	66·4	50·4	57·9	+ 5·0	111	0	3	1·01	?	*	*	*	*
	Foynes	73	44	64·2	46·1	54·6	+ 1·5	88*	0	2	0·24	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	64	48	62·3	51·0	56·3	+ 2·3	100	0	3	0·84	+0·46	55·0	?	50	?
	Jersey	75	43	68·4	53·0	60·2	+ 5·2	127	0	3	0·75	+0·33	80·1	+23·7	73	+22

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

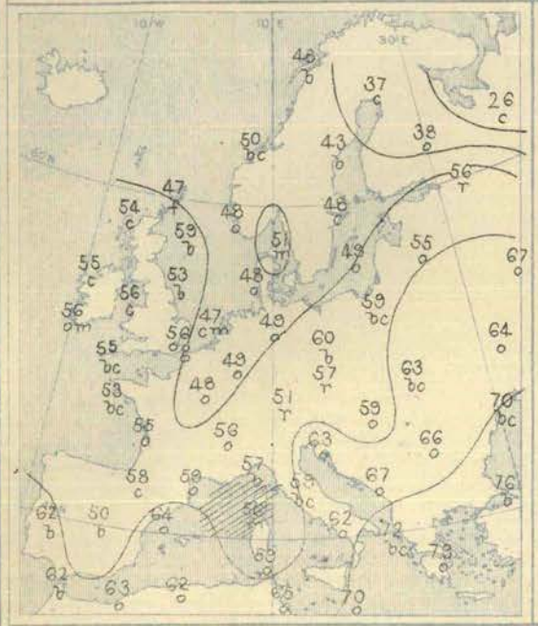
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 26th May.

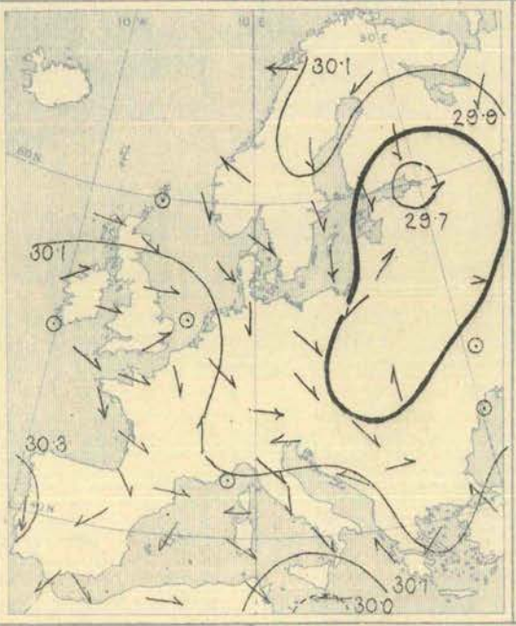
Temperature and Weather.

8 a.m.

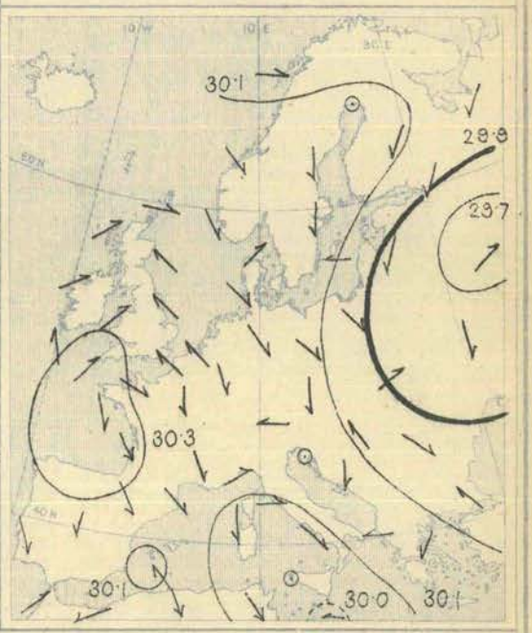


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over our Islands, Brittany, the Iberian Peninsula, and south-eastern Europe, but foggy at Sumburgh Head and along the south-east coasts of England and the north-east of France; dull and unsettled over northern and central Europe, with rain in several localities. Continuing fine over the United Kingdom all day, but rain falling over the south of Russia and in several parts of central and southern Europe, thunderstorms in places.

Temperature risen fast over the United Kingdom, fallen over France. Morning readings highest, 79° at Athens, 76° at Constantinople, 70° at Malta and Odessa; above 60° over most parts of southern, south-eastern, and central Europe, 56° to 59° over central England. Lowest, (1) 26° at Archangel, 37° at Haparanda, 47° at Sumburgh Head, 48° at Skudsnaes and Stockholm; (2) 47° at Yarmouth, Dungeness, and the Helder, 48° at Le Mans, 49° at Brussels. Rising to between 70° and 74° over central England later, to 70° and more at some French stations, and to between 70° and 77° over Spain and Italy, not touching 55° on our south-eastern coast.

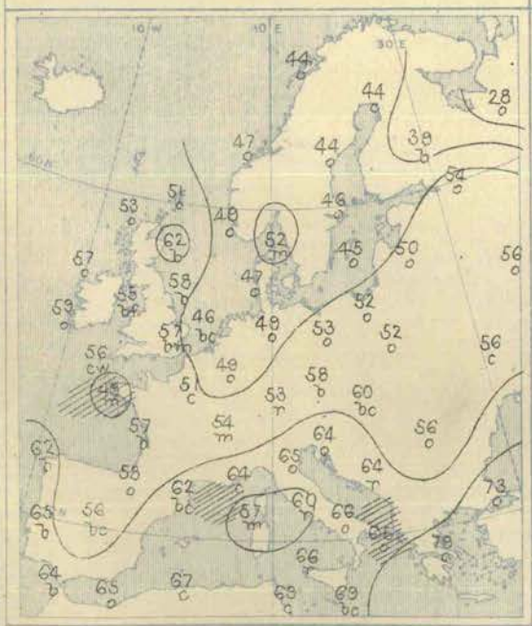
Wind light and anticyclonic from between West and North over the British Islands and their neighbourhood, Easterly over Norway, cyclonic North-Easterly to Northerly over Finland and the Baltic, North-Westerly moderate over western Germany, Easterly but variable over the Baltic. Falling calm in the extreme north of Russia later, little change elsewhere.

Barometer highest, (1) 30·3 ins. to 30·1 ins. over the Peninsula, the Bay of Biscay, France, and the British Islands. Lowest, 29·7 ins. and less in a depression near St. Petersburg, below 29·9 ins. in a secondary over eastern Germany, and below 30·0 ins. in another lying a little to the southward of Malta. Russian depression moving south-eastwards to Moscow later; barometer rising over western and northern Europe.

Monday, 27th May.

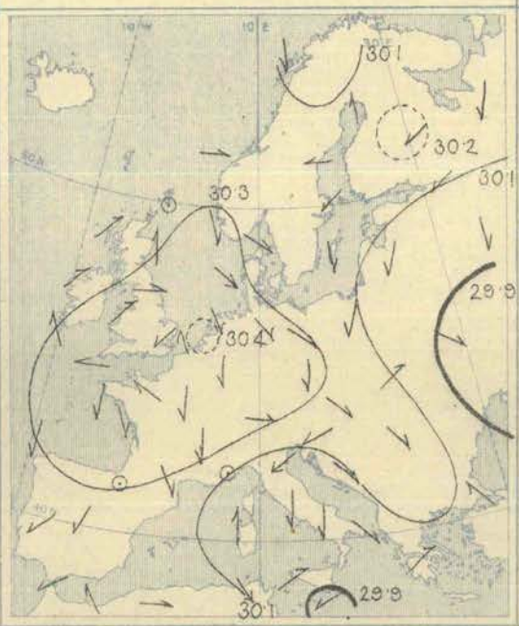
Temperature and Weather.

8 a.m.

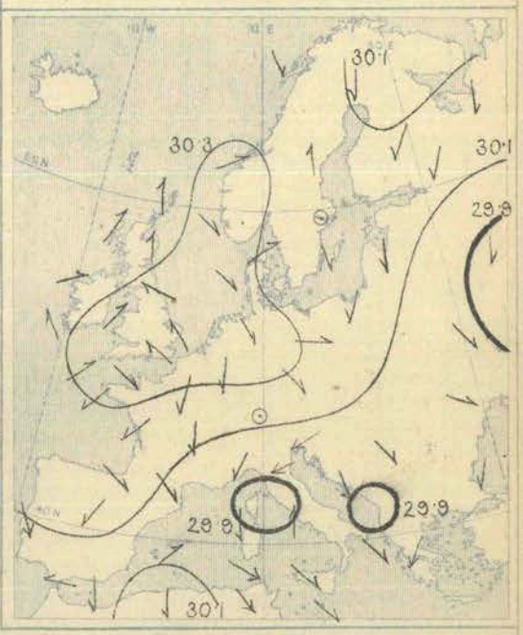


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over western and north-western Europe generally, but somewhat variable over the more eastern and southern countries, unsettled over the Mediterranean, with rain at several stations. Some rain falling later over the northern half of Scandinavia, and a slight shower at Parsonstown; weather fine elsewhere, but very foggy off the south-east coast of England.

Temperatures falling over Russia, Poland, and Hungary, not changed elsewhere. Morning readings highest, 79° at Athens, 73° at Constantinople; exceeding 60° at the Mediterranean stations and on the Portuguese coasts; 60° at Wiesbaden, Oxford, and Liverpool. Lowest, (1) 28° at Archangel, 39° at Kuopio, 44° to 46° on the Swedish coast; (2) 46° to 49° on our south-east coasts and over the Netherlands, rising later to between 70° and 72° in the west of France, and to between 70° and 75° over the inland parts of Great Britain, but not exceeding 50° on our south-east coasts all day.

Wind (1) North-Easterly to Northerly, light, over Finland and the Baltic, North-Westerly over Germany and Austria-Hungary, South-Westerly at Kharkov; (2) cyclonic and moderate to fresh in force over the Mediterranean; (3) anticyclonic and of little strength over north-western Europe and the British Isles. No important change later.

Barometer highest, 30·4 ins. and more to 30·2 ins. in a large anticyclone covering the British Islands and north-western Europe, and exceeding 30·1 ins. in a "ridge" extending thence over Austria and the Balkan Peninsula. Lowest, 29·8 ins. and less in a depression over the south of Russia, and 29·85 ins. to 29·90 ins. in a larger and more complex system over the Mediterranean. Gradients slight everywhere. Falling a little over France and the British Islands later, rising over Scandinavia.

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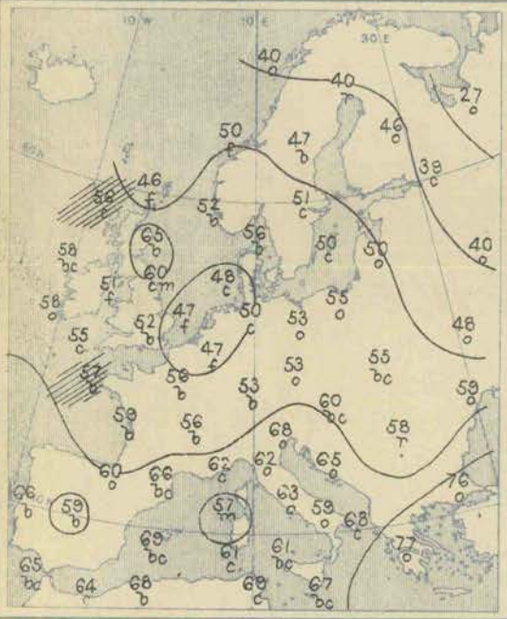
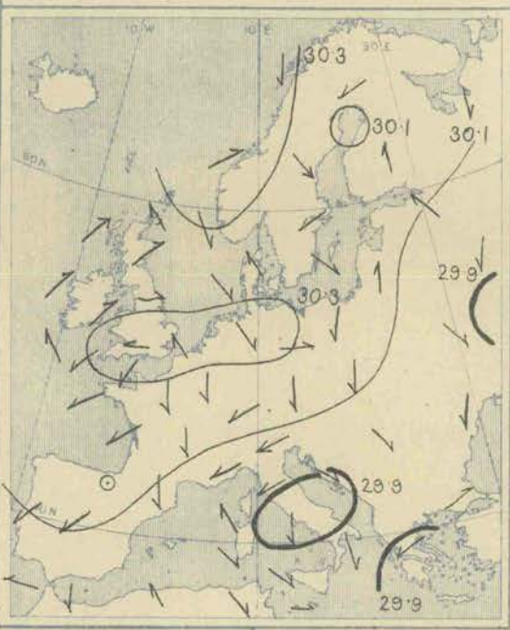
Tuesday, 28th May.

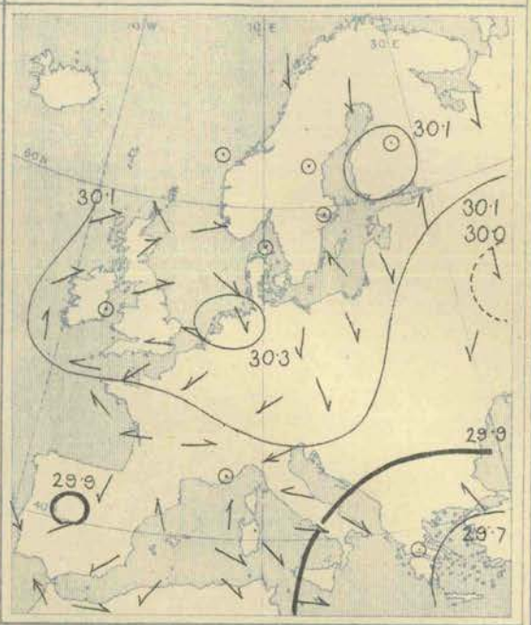
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over western and central Europe, including the greater part of the British Islands, but air hazy or foggy in some localities, dull over northern Europe, with rain at Haparanda, dull over the eastern parts of the Mediterranean, with rain at Pesaro. Slight rain falling at Haparanda later, but no important change elsewhere.

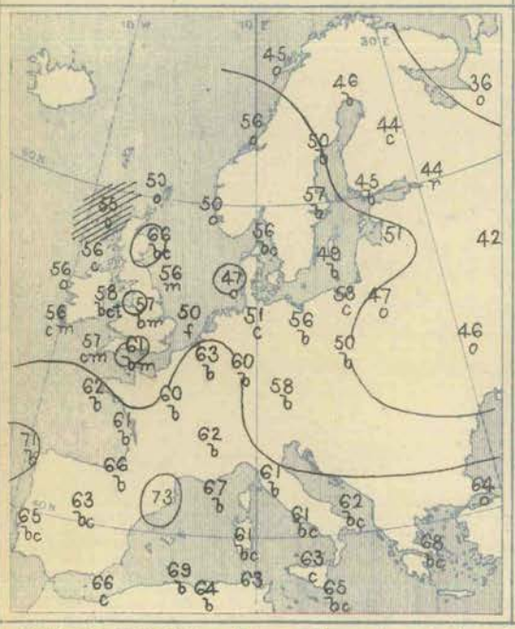
Temperature not changed much anywhere. Morning readings highest, 77° at Athens, 76° at Constantinople, 72° at Patras, and exceeding 60° over southern Europe generally; 61° at Oxford, 60° at York, and 65° at Aberdeen. Lowest, 27° at Archangel, 39° at St. Petersburg, 40° at Moscow and Bodö, 47° to 48° along our south-east coasts, rising later to between 70° and 73° in the east of Scotland, to between 70° and 76° over the inland parts of England, to 77° at Brest and Lorient, and to 88° at Rochefort.

Wind still cyclonic over the eastern parts of the Mediterranean, and blowing freshly over the northern parts of Italy; anticyclonic elsewhere, and light in force except over the Gulf of Bothnia; local cyclonic circulation in that region. Chiefly Easterly to North-Easterly over France and the Channel, Southerly in Ireland and Scotland. Becoming more Westerly over Scotland later, little change elsewhere.

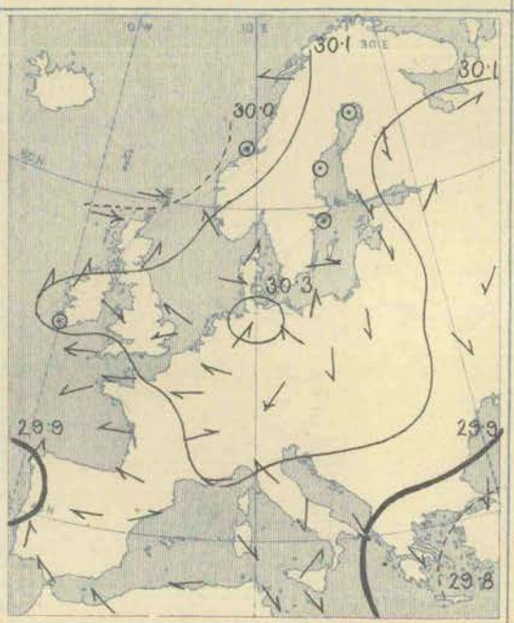
Barometer highest, 30·3 ins. and more over England, the Netherlands, and western Germany, as well as over Norway, and exceeding 30·0 ins. over central, western, and north-western Europe as a whole. Lowest, 29·9 ins. and less in a depression over the Grecian Archipelago, in another over Dalmatia and central Italy, and in a third over central Russia. Gradients slight except over Switzerland and the north of Italy. Falling over western and north-western Europe later; anticyclone moving eastwards.

Wednesday, 29th May.

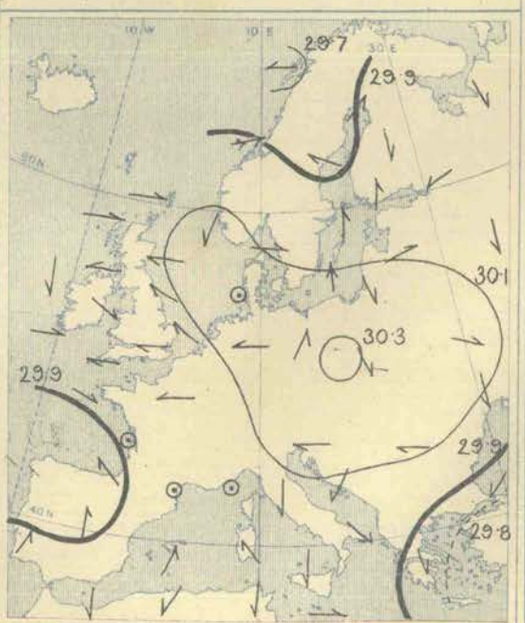
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands, but with fog or mist in several places, thunder reported at Holyhead. Fine and bright over the Continent generally, but dull in the west of Norway and also over Russia, with rain at St. Petersburg. Rain falling later over the northern parts of Scandinavia, weather remaining fair and dry over the whole of western Europe.

Temperature fallen in Ireland, and also in Italy, Greece, and the west and south of Russia, risen elsewhere. Morning readings highest, (1) 73° at Barcelona, 71° at Coruna, 70° at Sfax, and 69° at Algiers; (2) 66° at Aberdeen, and 64° at Leith (above 60° at some of the English Channel stations). Lowest, 36° at Archangel, 42° at Moscow and Kharkov, and 44° at Kuopio and St. Petersburg, below 50° over Russia and the north of Scandinavia generally. Rising during day to between 70° and 74° in the east of Scotland, and to between 76° and 80° over the inland parts of England; exceeding 80° in the west of France, and reaching 90° at Biarritz.

Wind light from the Eastward over the greater part of England and France; variable in Ireland; South-Westerly or Westerly in Scotland; Southerly in the south of Norway; calm in Sweden; light to moderate from the Northward in Russia, and from the same quarter or from North-East in Germany and Italy. Southerly on the west and south coasts of the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over Denmark, Germany, the Netherlands, the Baltic, and the south of Sweden. Lowest, 29·8 ins. and less in a depression over Asia Minor; 29·9 ins. and less in a shallow system off the Portuguese coast; 30·0 ins. and less in another shallow area lying to the northward of our Islands. Barometer falling over western Europe during day, but general distribution of pressure remaining unchanged.

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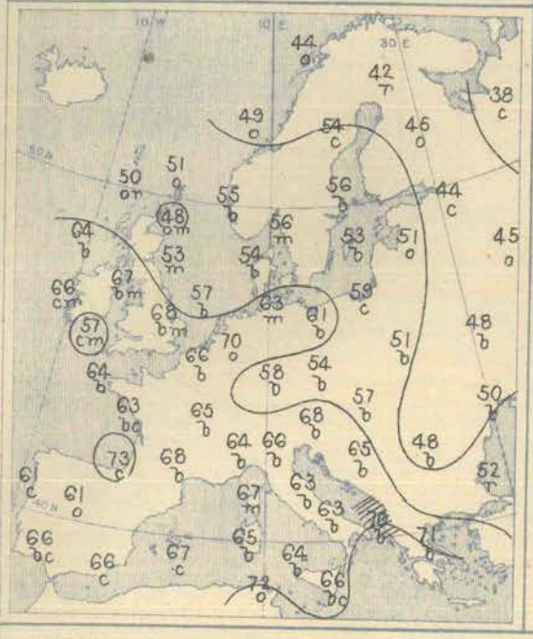
Thursday, 30th May.

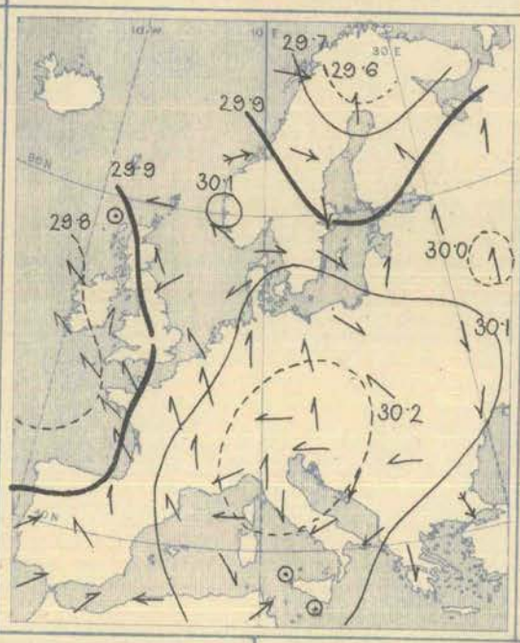
Temperature and Weather.

8 a.m.

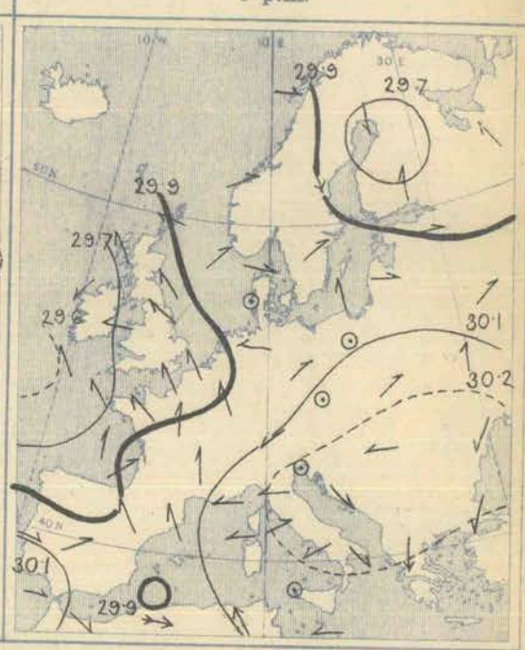


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fine and bright over central, southern, and western Europe, with the British Islands, overcast and showery in the Hebrides, Shetlands, and the northern parts of Scandinavia. Some showers later over the greater part of France and England, with thunder and lightning in almost all districts; rainfall very heavy at Cambridge and accompanied by hail.

Temperature rising rapidly over England. Morning readings highest, 72° at Sfax, 71° at Athens, and exceeding 60° over the southern and western parts of Europe generally; 63° to 68° over the central parts of England. Lowest, 38° at Archangel, and 42° to 45° over Lapland and the greater part of Russia. Rising later to between 80° and 87° over England and France, to 77° at Parsonstown, and to between 60° and 70° on the coast of Sweden.

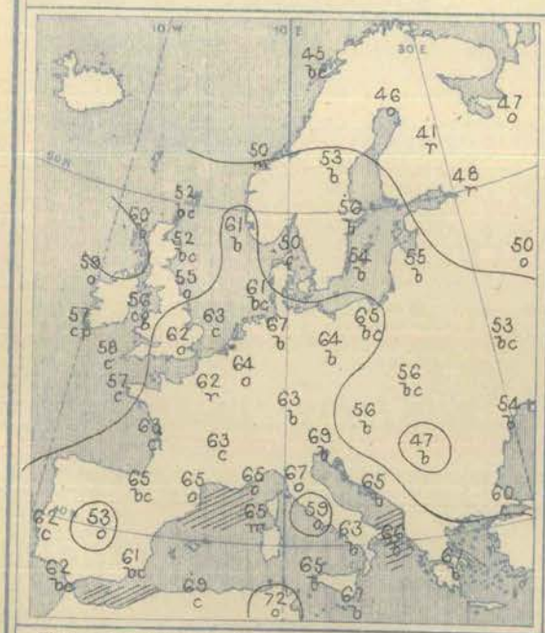
Wind (1) Westerly, strong, and cyclonic over Norway and Sweden, Southerly to South-Easterly and moderate over Finland; (2) light and anticyclonic over central Europe; (3) South-Easterly to Easterly, light to moderate, on the shores of the United Kingdom. Veering towards South over the British Islands later, and becoming squally at times.

Barometer highest, 30·2 ins. and more over Austria-Hungary and the northern parts of Italy, and exceeding 30·0 ins. over the Mediterranean, central Europe, the Baltic, the North Sea, and the south of Scandinavia. Lowest, (1) below 29·7 ins. over Lapland; (2) below 29·8 ins. over the west of Ireland and the mouth of the English Channel, with the adjacent parts of the Atlantic. Falling over the United Kingdom all day, and shallow local disturbances appearing in many places.

Friday, 31st May.

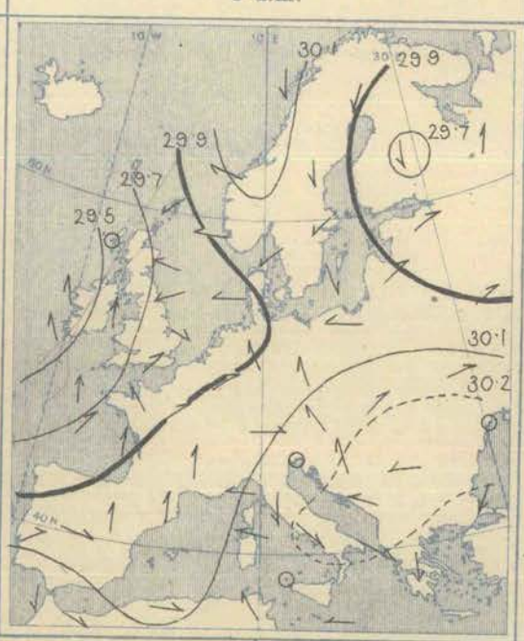
Temperature and Weather.

8 a.m.

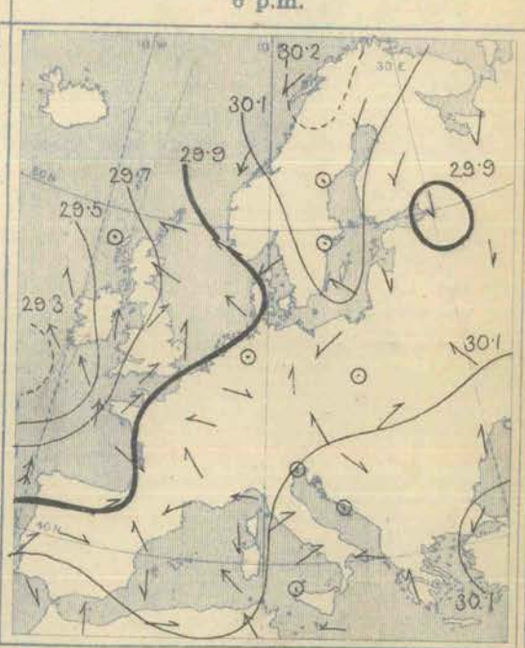


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy over Ireland and England, with showers in one or two places. Fine over Scotland and the greater part of the Continent, but cloudy in France, with rain at Paris and Le Mans. Sky clearing later over the eastern and central parts of England; rain falling in many parts of France, and at several of our western and extreme northern stations—heavily in the south of Ireland, and at Jersey. Thunderstorms, or thunder only, experienced in the north of Scotland, and a severe hailstorm at Malvern.

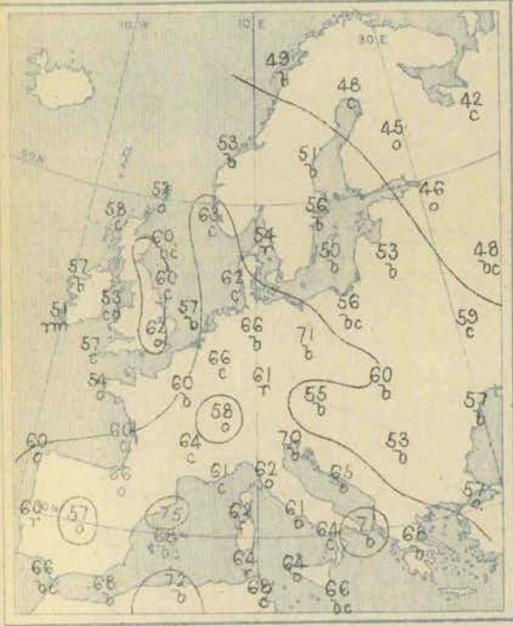
Temperature risen over the northern parts of our Islands, as well as over the northern, eastern, and central parts of the Continent, but fallen elsewhere. Morning readings highest, (1) 72° at Sfax, 71° at Tunis, and 69° at Trieste and Algiers; (2) 70° at Münster and 68° at the Helder; above 60° at several of our own central stations, and just reaching that point in the west of Scotland. Lowest, 41° at Kuopio, 45° at Bodö, 46° at Uleaborg, and 47° at Haparanda and Archangel. Rising during the day to 70° and upwards over the central parts of Great Britain, and reaching 73° in London and at Cambridge. Exceeding 75° over Germany and the southern parts of France, and reaching 88° at Berlin.

Wind Southerly over our Islands and France, light in force at the eastern stations, but fresh or strong in the west. South-Easterly in Germany. Easterly on the eastern shores of the North Sea. Moderate from the Northward over Sweden and Finland; light from the Westward over the central and southern parts of Russia. Variable in Italy and Algeria. Westerly over the greater part of the Spanish Peninsula. Strong gale from the Southward springing up in evening at the mouth of the Channel. No important change occurring elsewhere.

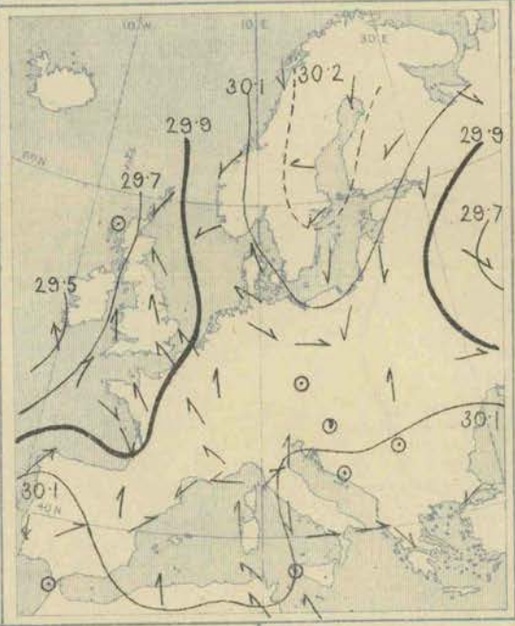
Barometer highest, 30·2 ins. and upwards, in an anticyclone over south-eastern Europe, 30·1 ins. and upwards in another system over the north-west of Norway. Lowest, 29·4 ins. and less, in a depression lying off the west of Ireland; 29·7 ins. and less in another disturbance over central Finland. Brisk fall of barometer taking place later on our south-west coasts, and a secondary disturbance advancing from southward.

Saturday, 1st June.

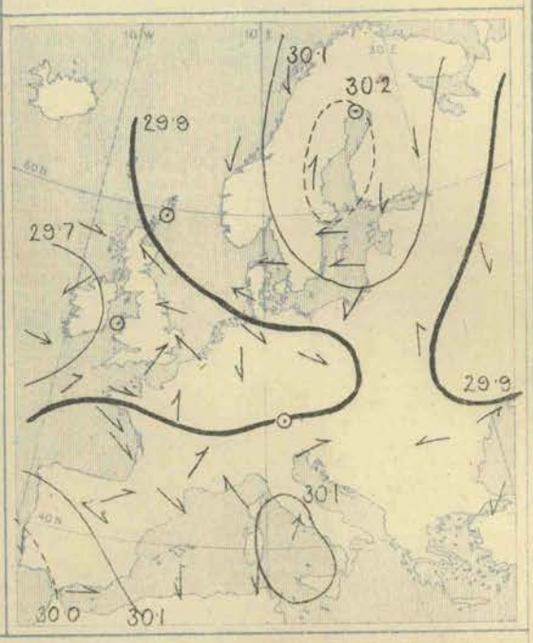
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Scandinavia, central and south-eastern Europe, as well as over the north-east of Great Britain and the greater part of Ireland, cloudy and rather unsettled elsewhere, with rain at Valencia, Jersey, Cambridge, Wiesbaden, Marseilles and Cagliari. Rain later, more or less, over almost the whole of the western and north-western countries, with thunderstorms in some places. Rainfall very heavy at York, and heavy at the Helder, Cambridge, Spurn Head, Scilly, and in the south of France.

Temperature not changing much in our Islands, fallen over France. Morning readings highest, 75° at Barcelona, 72° at Algiers, 71° at Berlin, 68° at Tunis and Patras, and exceeding 60° at many of the European stations, as well as over the inland and north-eastern parts of England. Lowest, 42° at Archangel, 46° at St. Petersburg, 48° at Moscow and Haparanda, 49° at Bodo; below 60° at many of the stations in central and south-eastern Europe. Rising later to 70° and more at several of our central and the southern European stations, to 81° at Berlin, 86° at Lisbon.

Wind North-Easterly to Easterly over northern Europe and the Baltic, South-Easterly to Southerly over the United Kingdom (South-Westerly in Devon and Cornwall), very variable over France and Central Europe. Veering to West or South-West in the south of Ireland and England later, and backing to East in the north.

Barometer highest, 30·2 ins. to 30·6 ins. (1) over Scandinavia, and (2) over the Iberian Peninsula and south-west of France. Lowest, 29·7 ins. and less in a small depression over the southern half of Ireland, below 29·8 ins. in a secondary over the East of England, and below 29·9 near Berlin. Irish depression moving south-easterly later, and barometer rising at our western and northern stations generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was highest over the Mediterranean and western Europe, lowest over the Gulf of Finland and western Russia, but the high-pressure system was advancing north-eastwards, while the low-pressure system was moving south-eastwards towards central Russia. By Tuesday the high-pressure system (which was then of a rather complex character) covered northern and north-western Europe, whence it soon moved to Germany and south-eastern Europe, while shallow low pressure areas arrived over the British Islands and Lapland. These latter brought thunderstorms and rain to the United Kingdom, and during Thursday, Friday, and Saturday, the rainfall, though moderate in most places, was heavy locally in the east and north of England, and somewhat so at a few of the western stations. The striking feature, however, was the rapid rise of temperature which occurred on Thursday, when maximum readings of 82° to 87° in the shade, were reported from our midland and eastern counties, values which are very rarely recorded in those regions during any part of May.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 128.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	65·6	?	56	?	EASTBOURNE	54·3	?	49	?
OSWALDKIRK (Yorkshire)	51·7	?	45	?	MANCHESTER (Oldham Road)	44·4*	?	39*	?
WORKSOP	58·4	+19·4	52	+17	TENBY	76·7*	?	68*	?
THURCASTON (Leicestershire)	71·2	+30·4	63	+29	NEWQUAY	73·0	?	66	?
MARGATE	50·6	?	46	?	TORQUAY	74·2*	?	67*	?
WESTBOURNE (Sussex)	70·1*	?	63*	?	ARLEY COTTAGE (County Cavan)	55·8	?	49	?
BRIGHTON	57·7	?	52	?	GUERNSEY	74·6*	?	68*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd., Lith., 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 23.] *Third Series.*

WEEK ENDING SATURDAY, JUNE 8TH, 1895.

[*Price 6d.* *Annual Subscription post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 134.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	78	40	66·0	48·3	56·6	6 above	102	+45	0	− 2	546	+103	810	+244
	1. SCOTLAND, EAST	84	38	68·2	47·6	57·2	5 above	106	+32	0	− 1	616	+ 20	987	+414
	2. ENGLAND, N.E.	78	38	62·9	49·2	55·6	3 above	95	+18	0	− 1	626	+ 40	783	+277
	3. ENGLAND, EAST	76	41	64·8	49·2	56·5	2 above	102	+11	0	− 1	763	+ 16	854	+283
	4. MIDLAND COUNTIES	80	37	68·8	48·2	57·8	3 above	111	+21	0	− 1	805	+ 32	933	+371
	5. ENGLAND, SOUTH	83	36	67·8	49·6	58·1	2 above	113	+16	0	0	794	− 39	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	79	40	68·9	50·4	59·0	6 above	119	+41	0	0	684	+ 53	778	+334
	7. ENGLAND, N.W.	74	41	65·0	50·2	57·1	3 above	106	+23	0	0	692	+ 30	724	+302
	8. ENGLAND, S.W.	81	36	69·6	49·8	59·0	4 above	119	+31	0	0	778	− 12	654	+337
	9. IRELAND, NORTH	81	39	69·1	48·9	58·3	5 above	114	+33	0	0	726	− 6	642	+275
	10. IRELAND, SOUTH	77	43	69·0	50·2	59·0	4 above	119	+31	0	0	803	− 60	479	+195
	—CHANNEL ISLANDS	72	50	63·5	52·7	57·7	2 above	110	+15	0	0	866	− 53	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 134.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	4	3 less	95	−12	15·3	− 5·3	68	+27	56	+22	564	+ 29	31	+ 1
	1. SCOTLAND EAST	1	1	4 less	75	−10	9·1	− 3·2	58	+21	49	+18	615	+ 67	36	+ 4
	2. ENGLAND, N.E.	1	1	3 less	81	+ 1	10·2	+ 0·3	41	+ 3	35	+ 2	634	+ 80	32	+ 4
	3. ENGLAND, EAST	1	less than ½	4 less	73	− 5	8·0	− 1·8	54	+ 8	47	+ 7	712	+ 63	37	+ 3
	4. MIDLAND COUNTIES	1	less than ½	5 less	63	−13	8·3	− 2·9	49	+ 7	42	+ 6	678	+100	35	+ 5
	5. ENGLAND, SOUTH	1	less than ½	4 less	61*	−15*	7·1	− 3·9	60	+12	53	+11	738	+ 60	37	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	less than ½	7 less	79	−12	10·3	−10·4	61	+17	52	+14	638	+ 39	33	+ 2
	7. ENGLAND, N.W.	1	1	5 less	71	−12	10·1	− 2·6	46	+ 6	40	+ 6	578	+ 65	34	+ 4
	8. ENGLAND, S.W.	1	1	4 less	67	−19	11·5	− 4·4	73	+22	65	+20	845	+144	43	+ 7
	9. IRELAND, NORTH	1	less than ½	5 less	86	−10	10·7	− 3·3	70	+30	60	+26	651	+ 74	34	+ 4
	10. IRELAND, SOUTH	1	less than ½	5 less	75	−16	12·7	− 3·7	76	+31	67	+28	700	+ 24	36	+ 1
	—CHANNEL ISLANDS	1	2	2 less	79	−14	10·4	− 2·9	68	+ 3	61	+ 3	894	+110	47	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was somewhat unsettled during the early part of the period, with a good deal of cloud and some thunder-showers in various parts of the Kingdom. Subsequently, however, the conditions again became very fine, with very little cloud and a complete absence of rain.

Temperature continued above the mean, the excess ranging from 2° in England E. and S. and the Channel Islands, to 5° in Scotland E. and Ireland N., and to 6° in Scotland N. and W. The highest of the maxima were recorded on the 7th at most of the Irish and Scotch stations, and on the following day over England; they ranged from 84° in Scotland E. (at Ochtertyre), 83° in England S., and 81° in England S.W. and Ireland N., to 74° in England N.W., and to 72° in the Channel Islands. The daily maxima were again low on our south-east coasts, the thermometer at the North Foreland not rising to 60° during the greater part of the week. The lowest of the minima occurred either at the commencement or about the middle part of the period, and ranged from 36° in England S. and S.W., and 37° in the Midland Counties, to 43° in Ireland S., and to 50° in the Channel Islands.

Rainfall was less than the mean in all districts. The fall was extremely slight excepting in Scotland N., and at many individual stations the weather was quite rainless.

Bright Sunshine again exceeded the mean in all parts of the Kingdom. The percentage of the possible duration ranged from 67 in Ireland S., 65 in England S.W., and 61 in the Channel Islands, to 42 in the Midland Counties, 40 in England N.W., and to 35 in England N.E.

Barometer and Wind.—At the commencement of the week some shallow depressions were observed over the more southern parts of the Kingdom. These soon disappeared to the southward, however, and an anticyclone gradually extended over our western and northern coasts from the Atlantic causing light winds from the Northward at most of our northern and western stations, and from the North-Eastward in most parts of England. By the end of the week the barometer was falling rather decidedly in the north and the wind backing to the Westward, while the anticyclone was moving slowly southwards.

* The corresponding values in last week's report should read "60" and "− 12."

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II.—DATA from which the SUMMARY on page 133 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	61	46	57·6	47·9	52·4	+ 4·3	73	0	2	0·44	−0·01	*	*	*	*
	Stornoway	74	40	68·4	48·0	57·5	+ 7·6	109	0	2	0·07	−0·58	69·1	+27·3	56	+24
	Wick	70	43	63·3	46·3	54·2	+ 3·7	85	0	2	0·53	+0·13	*	*	*	*
	Glencarron Ⓢ	74	40	69·7	48·9	58·6	+ 8·1	116	0	3	0·06	−1·12	*	*	*	*
	Fort Augustus Ⓢ	78	44	68·3	48·9	57·9	+ 5·7	111	0	2	0·87	+0·40	62·2	?	51	?
	Fort William Ⓢ	75	46	68·7	50·0	58·7	+ 5·8	117	0	3	0·15	−0·75	73·1	?	60	?
1. SCOTLAND, E.	Nairn	76	38	69·6	46·7	57·4	+ 4·7	108	0	1	0·29	−0·11	*	*	*	*
	Aberdeen	71	42	61·1	47·7	55·3	+ 3·3	93	0	1	0·06	−0·35	67·5	+21·0	56	+18
	Braemar Ⓢ	77	40	71·2	44·5	56·9	+ 6·9	104	0	1	0·10	−0·42	63·7†	?†	53†	?†
	Ochtertyre Ⓢ	84	42	74·4	48·6	60·6	+ 8·1	130	0	0	—	−0·58	*	*	*	*
	Leith	73	44	64·7	49·7	56·7	+ 3·3	103	0	2	0·12	−0·23	*	*	*	*
	Marchmont Ⓢ	74	38	65·3	48·3	56·2	+ 4·3	99	0	0	—	−0·54	52·0	?	44	?
2. ENGLAND, N.E.	Alnwick Castle	66	38	62·0	48·0	54·5	+ 3·0	88	0	1	0·02	−0·38	*	*	*	*
	Durham	75	40	64·0	47·2	55·0	+ 2·0	91	0	3	0·25	−0·19	45·6	+ 6·0	39	+ 6
	Shields	70	45	59·9	48·3	53·7	+ 1·4	82	0	1	0·06	−0·32	*	*	*	*
	Scarborough Ⓜ	71	49	65·1	50·9	57·5	+ 4·3	109	0	1	0·04	−0·43	*	*	*	*
	York	78	45	68·0	50·3	58·5	+ 4·1	116	0	1	0·06	−0·43	39·6	− 0·7	34	− 2
	Spurn Head	63	49	58·6	50·3	54·2	+ 0·5	85	0	1	0·08	−0·30	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	75	45	64·5	49·6	56·5	+ 1·6	102	0	1	0·08	−0·39	50·9	+ 4·1	44	+ 4
	Yarmouth	62	49	60·0	51·0	55·2	+ 1·5	92	0	0	—	−0·40	*	*	*	*
	Geldeston	70	46	65·3	49·1	56·6	+ 2·2	102	0	0	—	−0·38	62·7	+11·1	55	+11
	Cambridge	76	44	67·7	48·3	57·3	+ 1·7	107	0	1	0·04	−0·46	53·0	+ 7·0	46	+ 6
	Rothamsted	75	41	66·7	47·9	56·7	+ 2·3	103	0	1	0·01	−0·47	50·4	?	44	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	80	39	68·9	50·6	59·1	+ 4·1	120	0	1	0·04	−0·46	*	*	*	*
	Loughborough	79	41	69·4	49·7	58·9	+ 2·8	118	0	0	—	−0·50	*	*	*	*
	Stamford (Ketton Hall)	76	42	68·0	48·1	57·4	+ 1·3	108	0	3	0·07	−0·38	*	*	*	*
	Cheadle Ⓜ	73	44	66·7	49·0	57·2	+ 4·5	106	0	0	—	−0·64	*	*	*	*
	Solihull	77	40	69·3	48·1	58·0	+ 3·1	112	0	0	—	?	*	*	*	*
	Churchstoke Ⓜ	76	37	69·5	45·0	56·4	+ 3·2	101	0	0	—	−0·50	58·4	+15·9	51	+14
	Hereford Ⓜ	78	38	70·6	47·7	58·4	+ 2·8	115	0	1	0·02	−0·48	*	*	*	*
	Cirencester	74	39	67·0	47·7	56·7	+ 2·5	103	0	1	0·01	−0·52	48·0	+ 2·8	42	+ 3
	Oxford	79	43	69·7	48·3	58·3	+ 2·8	114	0	0	—	−0·50	50·3	+ 5·4	44	+ 5
5. ENGLAND, S.	London	80	44	70·7	50·0	59·6	+ 2·6	123	0	1	0·01	−0·47	53·1†	+10·3†	47†	+ 9†
	North Foreland	64	46	59·0	49·4	53·9	− 0·8	83	0	0	—	?	*	*	*	*
	Strathfield Turgiss Ⓜ	82	36	72·4	45·4	58·0	+ 2·5	112	0	2	0·02	−0·40	*	*	*	*
	Dungeness	69	50	64·0	51·7	57·4	+ 1·7	108	0	0	—	−0·38	*	*	*	*
	Hastings (St. Leonards)	72	45	66·3	50·1	57·6	+ 1·5	109	0	0	—	−0·41	64·8	+11·0	57	+ 9
	Southampton	83	45	73·2	50·2	60·9	+ 4·2	132	0	1	0·01	−0·47	64·2	+15·3	57	+14
	Hurst Castle	75	47	68·1	52·0	59·5	+ 3·6	123	0	1	0·04	−0·36	*	*	*	*
	Stowell Ⓜ	77	43	68·8	48·1	57·7	+ 2·7	110	0	1	0·02	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	75	45	68·4	49·3	58·2	+ 5·3	113	0	4	0·11	−0·93	*	*	*	*
	Glasgow	78	46	69·1	51·3	59·6	+ 6·3	123	0	0	—	−0·57	58·4	+21·5	49	+18
	Ardrossan	73	49	67·9	52·1	59·5	+ 6·0	123	0	0	—	−0·57	*	*	*	*
	Glenlee Ⓢ	79	40	71·2	48·5	59·1	+ 6·6	120	0	0	—	−0·69	*	*	*	*
	Douglas (Isle of Man)	73	46	67·9	50·7	58·7	+ 5·6	117	0	0	—	−0·50	63·7	+12·4	55	+11
7. ENGLAND, N.W.	Stonyhurst	74	45	66·9	50·6	58·2	+ 4·2	113	0	2	0·16	−0·53	48·5	+ 3·7	42	+ 4
	Blackpool Ⓜ	71	41	66·3	49·1	57·1	+ 3·0	106	0	1	0·06	−0·44	40·4	− 5·3	35	− 4
	Manchester (Prestwich)	74	46	66·4	50·4	57·8	+ 3·9	111	0	2	0·04	−0·61	39·1	?	34	?
	Liverpool Obsy. (Bidston)	67	46	64·3	50·4	56·9	+ 1·6	104	0	1	0·01	−0·39	*	*	*	*
	Llandudno Ⓜ	67	48	64·6	50·3	57·2	+ 2·2	106	0	1	0·01	−0·39	64·1	+21·0	56	+18
	Holyhead	65	47	61·4	49·6	55·1	+ 0·5	92	0	0	—	−0·44	*	*	*	*
8. ENGLAND, S.W.	Llandovery	81	36	75·7	44·7	59·1	+ 3·9	120	0	0	—	−0·66	*	*	*	*
	Pembroke	70	48	64·7	51·6	57·7	+ 3·9	110	0	0	—	−0·45	75·4	+21·6	66	+19
	Bristol (Montpelier)	81	45	72·2	50·6	60·7	+ 5·1	131	0	0	—	−0·53	*	*	*	*
	Arlington (N. Devon)	74	40	69·1	47·4	57·5	+ 4·1	109	0	0	—	−0·72	*	*	*	*
	Cullompton Ⓜ	77	41	71·0	48·4	58·9	+ 4·0	118	0	1	0·01	−0·49	59·5	+13·1	53	+12
	Falmouth	74	48	67·2	51·8	59·0	+ 3·9	119	0	2	0·05	−0·58‡	79·0	+27·0	71	+24
	Plymouth	78	47	69·0	52·3	60·1	+ 2·8	127	0	1	0·66	+0·22	75·2	+27·4	67	+25
	Prawle Point	76	47	67·9	51·6	59·2	+ 5·1	120	0	1	0·03	−0·32	*	*	*	*
9. IRELAND, N.	Malin Head	65	51	61·1	53·4	57·0	+ 3·0	105	0	0	—	?	*	*	*	*
	Londonderry	81	45	74·5	49·5	61·1	+ 6·6	134	0	0	—	−0·56	*	*	*	*
	Edenfel (Omagh)	76	45	73·3	46·7	59·1	+ 5·9	120	0	1	0·06	−0·52	*	*	*	*
	Belmullet	68	45	64·4	50·6	57·0	+ 3·0	105	0	3	0·05	?	*	*	*	*
	Markree Castle	73	39	66·1	46·7	55·7	+ 3·3	96	0	2	0·06	−0·51	75·8	+36·5	65	+32
	Brookeborough	79	45	73·6	47·9	59·9	+ 6·8	125	0	1	0·01	−0·62	*	*	*	*
	Armagh	75	43	71·9	46·7	58·4	+ 5·0	115	0	2	0·09	−0·38	65·0	+23·7	56	+20
	Donaghadee	69	44	65·0	50·3	57·1	+ 3·7	106	0	0	—	−0·48	*	*	*	*
	Edgeworthstown	78	45	72·1	48·3	59·4	+ 6·0	122	0	1	0·04	−0·64	*	*	*	*
10. IRELAND, S.	Dublin	71	48	67·4	51·6	59·0	+ 3·8	119	0	1	0·11	−0·31	73·5	+27·5	64	+24
	Parsonstown	77	44	72·0	48·3	59·3	+ 5·0	121	0	1	0·02	−0·51	65·9	+24·1	57	+21
	Kilkenny	78	47	71·1	50·0	59·8	+ 5·2	125	0	0	—	−0·51	*	*	*	*
	Roche's Point	73	50	68·9	53·9	60·9	+ 5·2	132	0	0	—	−0·70	*	*	*	*
	Valencia	72	46	65·9	50·7	57·8	+ 3·0	111	0	1	0·02	−0·69	89·5	+42·1	79	+37
	Killarney	72	43	69·2	45·5	56·5	+ 2·4	102	0	2	0·04	?	*	*	*	*
	Foynes	74	48	68·3	51·3	59·4	+ 5·2	122	0	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	63	50	60·6	52·7	56·4	+ 1·3	101	0	0	—	−0·38	81·4	?	73	?
	Jersey	72	50	66·4	52·6	59·0	+ 2·6	119	0	1	0·42	−0·01	59·2	+ 3·2	53	+ 3

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

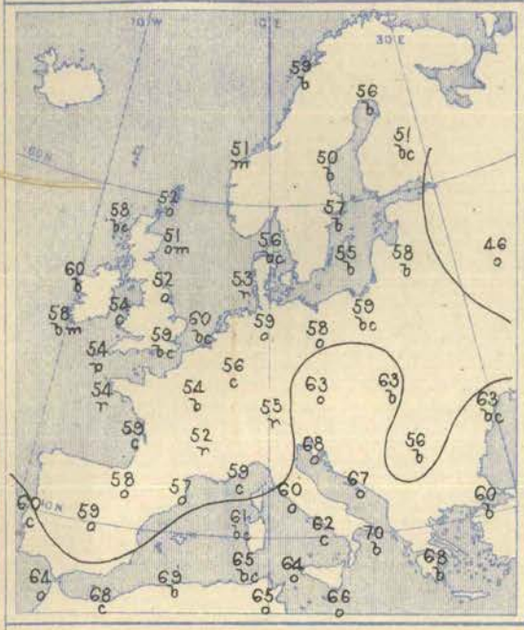
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

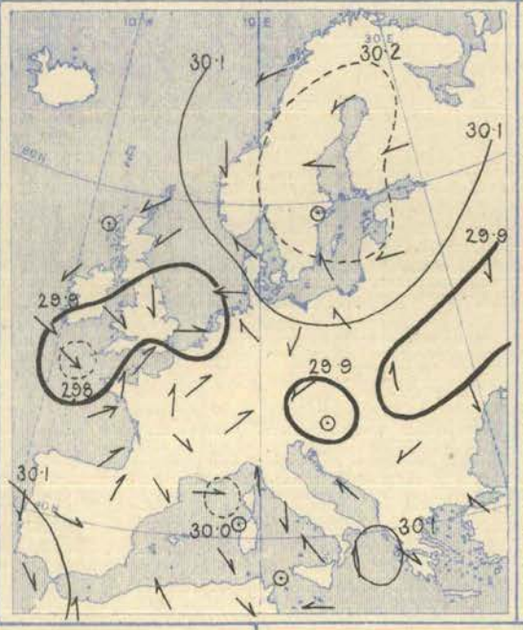
‡ The corresponding value in last week's report should read "+0·19."

Sunday, 2nd June.

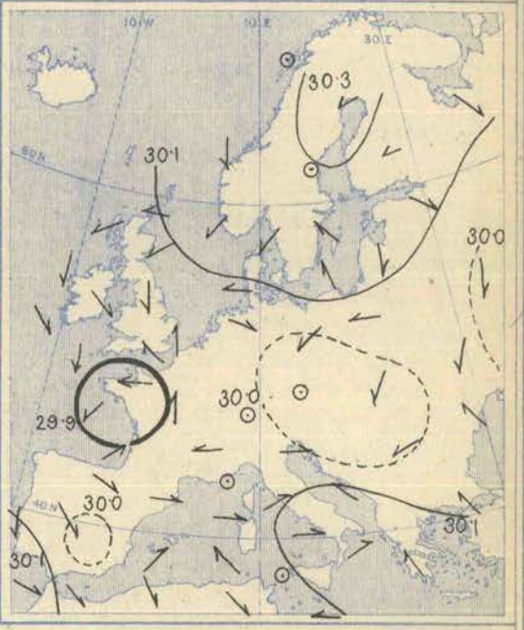
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine at many of the Irish and Scotch stations, but cloudy over the greater part of England, with showers in a few places; thick fog reported at Wick. Fine over Scandinavia, the Baltic, and northern Russia, as well as in Austria, Turkey, and Greece; dull in most other parts of the Continent, with rain at several of the French, German, and Danish stations. Sky clearing later over England, but heavy rain falling in the Channel Islands and the west and south of France, as well as at Turin and Hamburg.

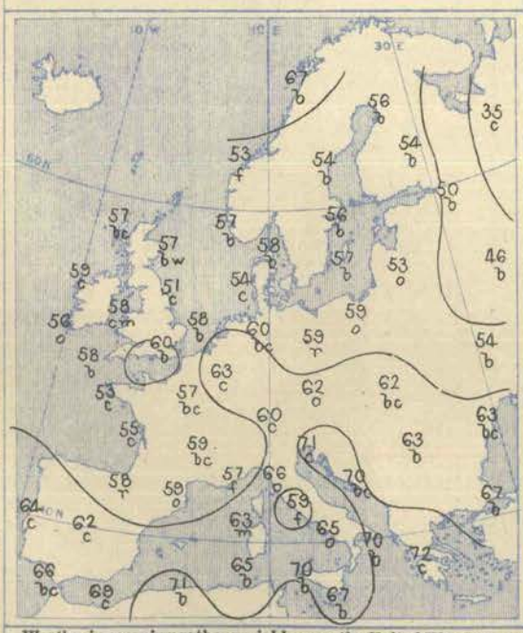
Temperature fallen several degrees over western and central Europe generally but risen in Ireland and the west of Scotland. Morning readings highest, 70° at Brindisi, 69° at Algiers, and 68° at Trieste, Athens, and Oran; above 60° over southern Europe generally, and also in the western and central parts of Scotland. Lowest, (1) 46° at Moscow and 50° at Hernösand; (2) 50° at Wick and Prawle Point, 51° at Aberdeen, and 52° at Shields, Liverpool, Dungeness, and Lyons. Rising during day to 65° and upwards over the inland parts of England and Ireland, to 71° and upwards in the west of Scotland, and to 74° at Stornoway. Exceeding 70° over southern and south-eastern Europe generally, and reaching 77° at Palermo.

Wind light to moderate from between North and East over the northern and eastern parts of our Islands, but Southerly in the south of England and South-Westerly over the Bay of Biscay. Easterly (North-Easterly to South-Easterly) over Denmark, Germany, and the Baltic; chiefly Northerly in Russia; variable in Austria, Italy, and the south of France. Subsequently backing to the Eastward in the south of England; no important change occurring elsewhere.

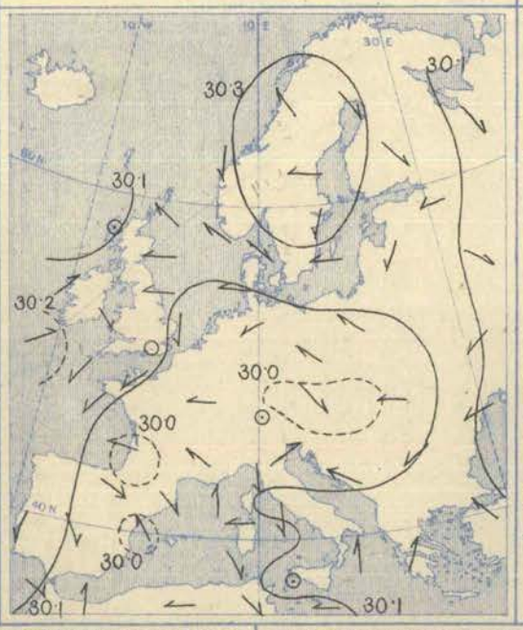
Barometer highest, 30·2 ins. and upwards in an anticyclone lying over Sweden and Finland, 30·1 ins. and upwards over the south-western parts of the Spanish Peninsula. Lowest, 29·7 ins. and less in a small depression near Scilly; 29·8 ins. and less in a small shallow disturbance off our east coasts. Depressions subsequently moving southwards to France; barometer rising over the whole of our Islands.

Monday, 3rd June.

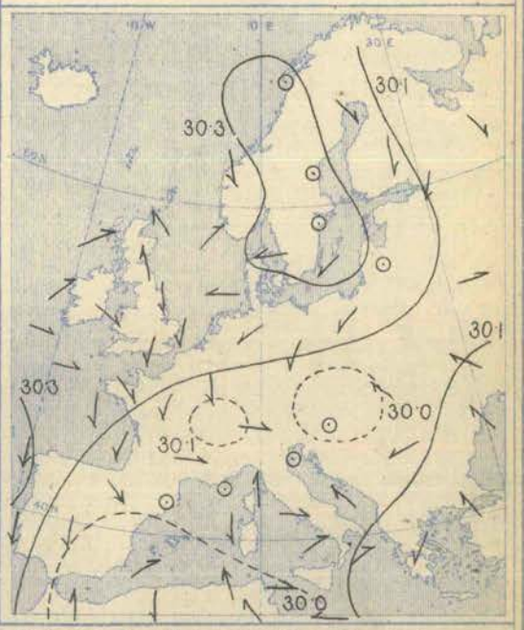
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning rather variable over the United Kingdom. Fine and bright over Scandinavia and Russia, as well as in the south of Italy, but cloudy in most other parts of the Continent, with rain at some of the German stations and also in the extreme south of France, and a thunderstorm at Palma. Showers falling during day in isolated parts of our Islands, with thunder in London; a mirage seen at the North Foreland in evening. Rain falling over the southern parts of France and Germany; thunderstorms, with heavy rain, occurring at Biarritz and at some of the Austrian stations.

Temperature risen in most places. Morning readings highest, 72° at Patras and 71° at Trieste and Algiers; above 65° at the Mediterranean and Adriatic stations generally, and also at Bodö; above 60° over central Europe and also on some parts of our own western and southern coasts. Lowest, (1) 35° at Archangel, 46° at Moscow, and 50° at St. Petersburg; (2) 51° at Shields, and 52° at Leith and Spurn Head. Rising during day to 65° and upwards in many parts of the United Kingdom and the neighbouring countries, and reaching 72° in London and 73° at Stornoway, but remaining below 60° on our east and south-west coasts. Exceeding 75° in Spain and Italy and reaching 81° at Rome.

Wind light to moderate from the Eastward or North-Eastward over Denmark, north Germany, and the south of Scandinavia, as well as over the Channel and the north of France; Northerly or North-Westerly over the Bay of Biscay and the Spanish Peninsula. Variable in Ireland and Scotland and also in the north of Scandinavia; chiefly Northerly in Russia. Variable over Italy, Austria, and the south of France. South-Westerly breezes setting in later on our extreme western coasts; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards in a large anticyclone over Scandinavia, 30·2 ins. and upwards in another system lying off the south-west of Ireland. Lowest, 30·0 ins. and less in shallow depressions lying respectively over northern Austria and the neighbouring parts of Germany, over the west of France, and over the north-east of Spain. No important change occurring during day, but depression over the west of France gradually filling up.

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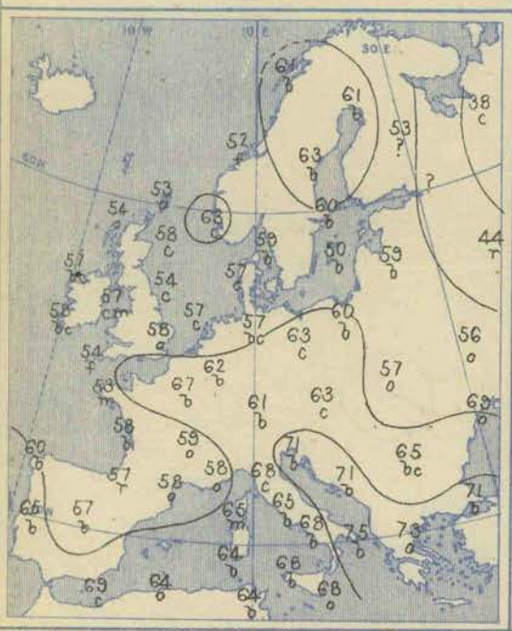
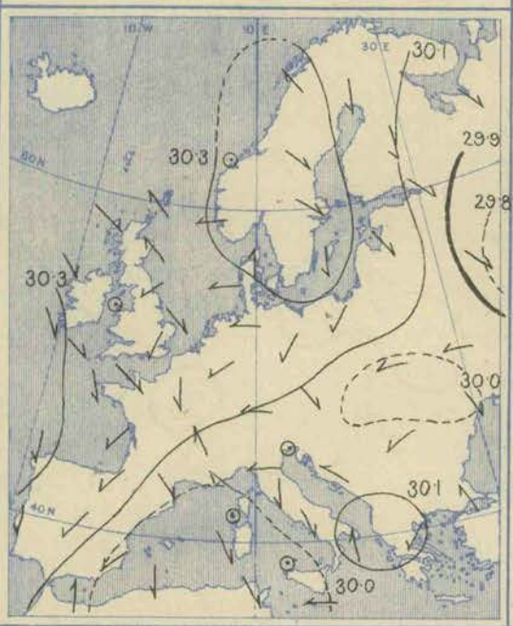
Tuesday, 4th June.

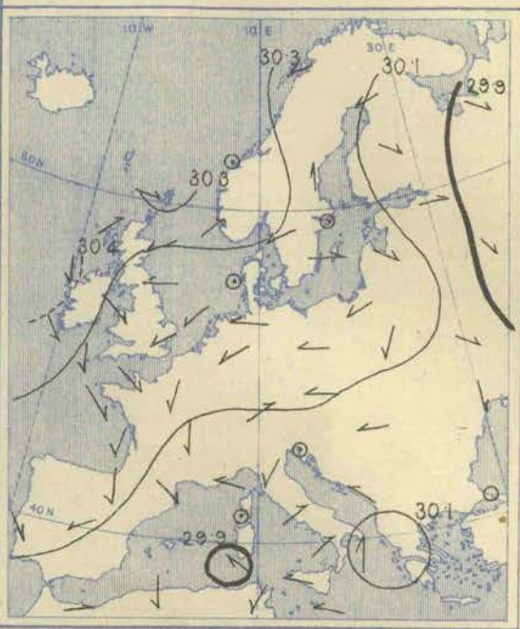
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather cloudy or dull over the United Kingdom generally, with fog on many parts of our east and south-west coasts, and with rain at Wick and Parsonstown. Fine and bright over the greater part of the Continent, but dull in the south of France, with rain at Biarritz; dull also in the western and central parts of Russia, with rain at Moscow. Rain falling during day in the north and east of Scotland, as well as at some of the French, German, and Spanish stations—heavily at Biarritz, Marseilles, and Barcelona. Thunderstorms occurring over the southern parts of France.

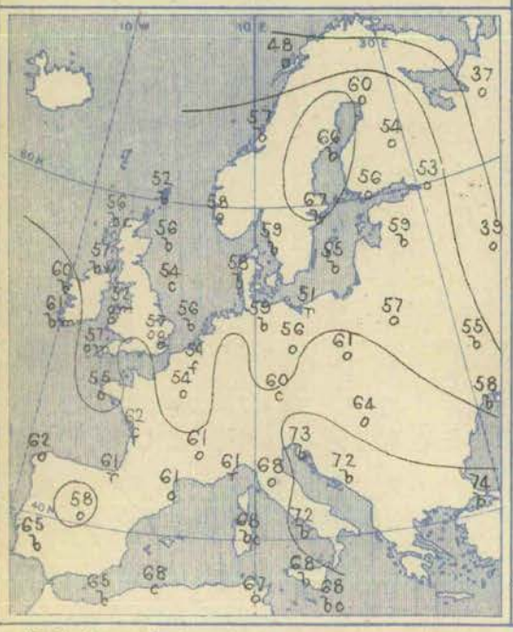
Temperature changed rather irregularly, but risen in Scandinavia. Morning readings highest, 75° at Brindisi, 73° at Athens, and 71° at Trieste, Lesina, and Constantinople; above 60° over central and southern Europe generally, as well as in Lapland. Lowest, (1) 38° at Archangel and 44° at Moscow; (2) 52° at Christiansund and 53° at Sumburgh Head, Spurn Head, and the North Foreland. Rising during day to 65° and upwards at many of the English and Irish stations, but remaining below 60° on our east coasts. Exceeding 70° in France and Germany, and exceeding 80° in many parts of Italy.

Wind light to moderate from the Eastward or North-Eastward over Germany, Denmark, and the south of Norway, and from the Northward over the greater part of England, Ireland, France, and the Spanish Peninsula. Calm or variable in Scotland and also over the Irish Sea and the St. George's and Bristol Channels. Moderate from the Northward or North-Westward in Sweden and Russia, variable in Austria, Italy, and the extreme south of France. No important change occurring during day.

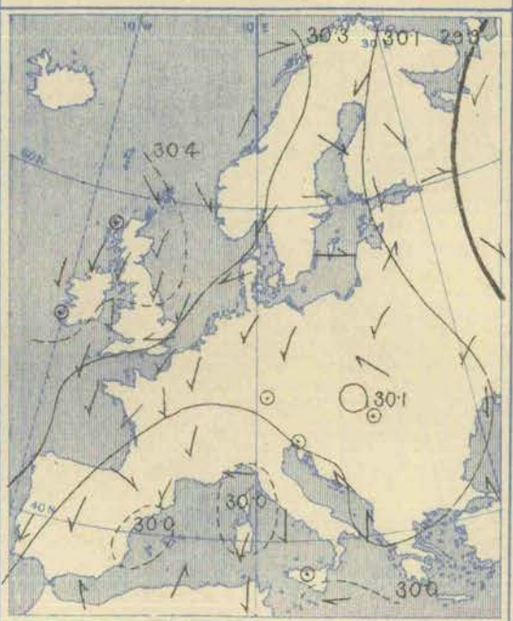
Barometer highest, 30·3 ins. and upwards in an anticyclone over Scandinavia and also in another system lying to the south-westward of our Islands. Lowest, 29·8 ins. and less in a depression over central Russia, 30·0 ins. and upwards over Algeria and the western parts of the Mediterranean. Atlantic high-pressure system spreading north-eastwards during day, and barometer rising in most parts of western Europe.

Wednesday, 5th June.

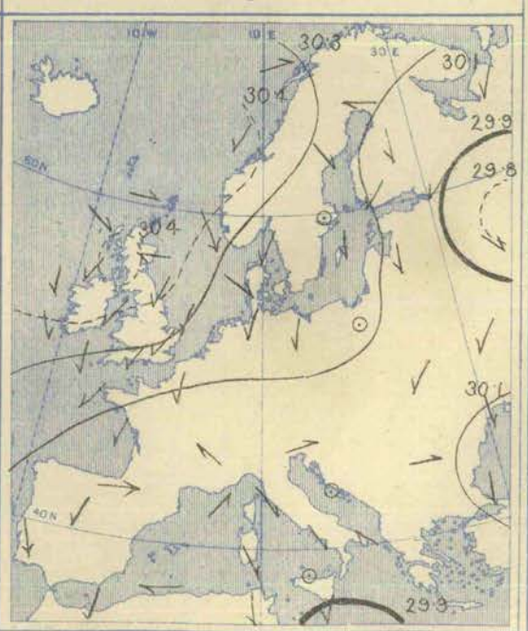
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Ireland and Scotland, as well as over Scandinavia, Denmark, Holland, and the southern parts of Russia and Italy. Cloudy or overcast in most other regions, with rain at some of the southern French stations, as well as at Vienna, and a thunderstorm at Turin. Sky clearing later in many parts of England, but rain falling at several of the French and German stations, heavily in places. Thunderstorms occurring over the south of France, Austria, and eastern and southern Germany. Solar halo seen at Jersey.

Temperature changed very irregularly. Morning readings highest, 74° at Constantinople, 73° at Trieste and Leghorn, and 72° at Lesina and Naples, above 65° in many parts of southern Europe and also in central Sweden, and above 60° on some parts of our western coasts. Lowest, (1) 37° at Archangel, 39° at Moscow, and 48° at Kharkov; (2) 48° at Bodö; (3) 51° at Cape Gris Nez. Rising during day to between 65° and 70° in most parts of the United Kingdom, but remaining below 60° on some parts of our east and south-east coasts. Exceeding 70° at several of the French and German stations, and exceeding 80° in Spain and Italy.

Wind light to moderate from the Northward or North-Eastward over the greater part of western Europe, but variable in the north of Scotland and the west of Norway. North-Westerly or Westerly over Sweden and central Russia, North-Easterly in the south of Russia. Calm or variable in Austria and Italy. No important change occurring during day.

Barometer highest, 30·4 ins. and upwards in an anticyclone stretching from the Atlantic over Ireland and the northern parts of Great Britain. Lowest, 29·9 ins. and less in a large shallow depression over northern and central Russia; 30·0 ins. to 30·1 ins. in a shallow and rather complex area lying over southern Europe and the Mediterranean. Latter system spreading slowly northwards during day, and barometer falling rather decidedly in France.

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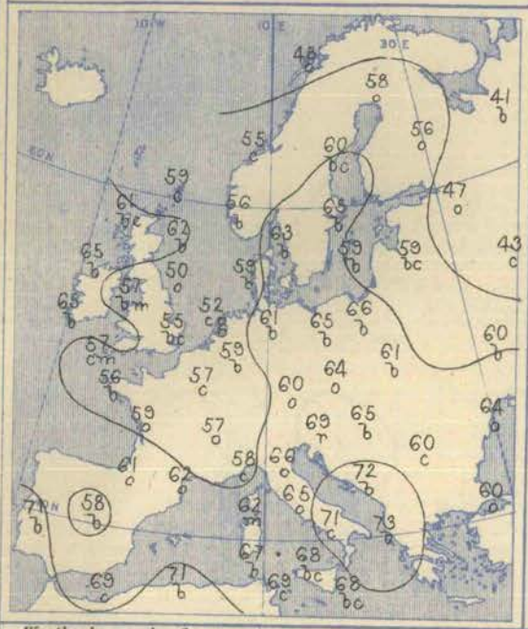
Thursday, 6th June.

Temperature and Weather.

8 a.m.

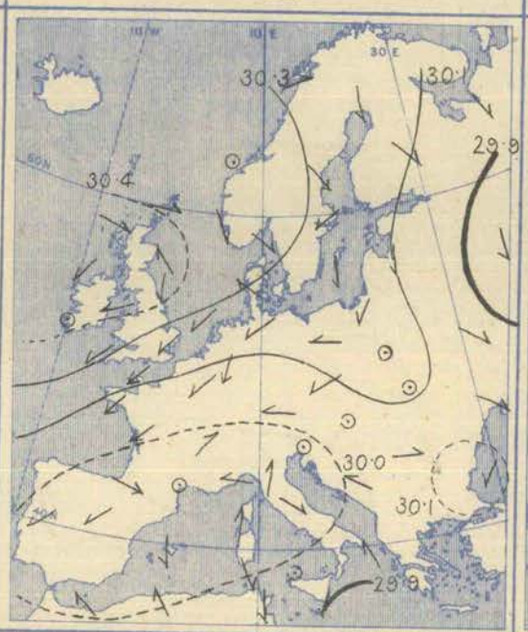


Weather in morning fine over the greater part of our Islands and the Continent, but dull over eastern and central England and also over France, northern Italy, and the southern parts of Germany and Austria, with rain at Turin and Trieste. Sky clearing later over England, but distant thunder heard at Holyhead in evening. Thunderstorms occurring in several parts of France and south Germany, and a considerable quantity of rain falling over northern Italy, as well as in the west of Norway.

Temperature risen in Ireland and Scotland, as well as in Denmark, Germany, and Russia. Morning readings highest, 79° at Brindisi, 73° at Oporto, 72° at Lésina, and 71° at Lisbon, Naples, and Algiers; above 65° over the Mediterranean and Adriatic; above 60° at our own western and northern stations. Lowest, (1) 41° at Archangel, 43° at Moscow, 47° at St. Petersburg, and 48° at Bodö; (2) 50° at Shields, and 51° at Spurn Head and the North Foreland. Rising during day to 70° and upwards in many parts of Ireland and Scotland, and reaching 75° at Nairn and Parsonstown, but remaining below 60° on the east and south-east coasts of England. Exceeding 70° over Germany and the south of France, and exceeding 80° in Italy.

Barometer and Wind.

8 a.m.



6 p.m.

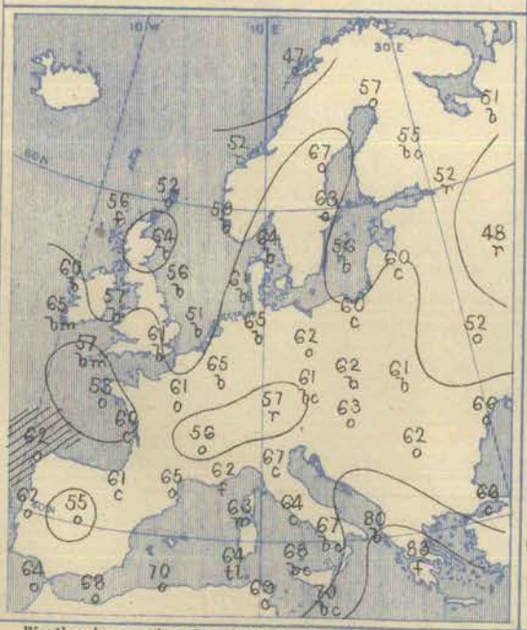
Wind North-Easterly over England, the Netherlands, Germany, and the greater part of France; fresh or strong in force over the Channel and Bay of Biscay. Light from the Northward in Ireland; variable in Scotland and the west of Norway; Northerly over Sweden and Russia, variable over the whole of southern Europe. Gale from West or North-West springing up later on the west coast of Norway; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards in an anticyclone lying over Ireland and the northern parts of Great Britain. Lowest, 29·8 ins. and less in a depression over central Russia; 30·0 ins. and less in a large shallow area covering the greater part of southern Europe, with the western portions of the Mediterranean. Slight fall taking place over western Europe during day, but general distribution of pressure remaining unchanged.

Friday, 7th June.

Temperature and Weather.

8 a.m.

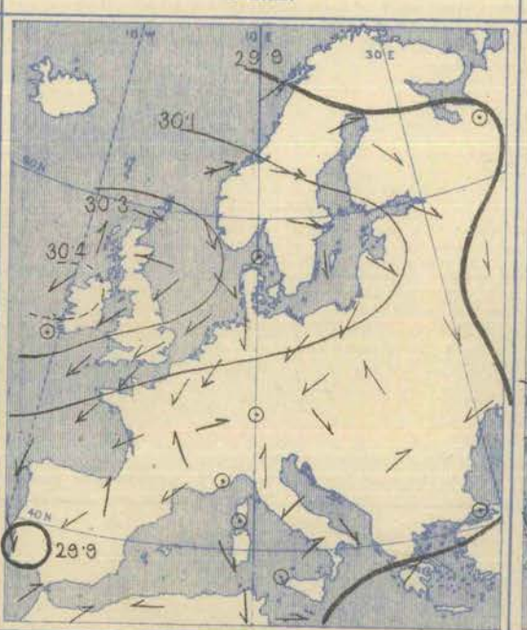


Weather in morning fine over our Islands, Denmark, the Netherlands, and the south of Scandinavia, as well as in Italy and the extreme south of France. Cloudy or overcast elsewhere, with rain at Christiansund and also at Munich and Vienna, and with a thunderstorm at Cagliari. Rain falling during day in many parts of France, Spain, Italy, and south Germany, as well as in the west of Norway—amounts large in places. Weather remaining fine and dry over our Islands generally, but thunder heard at Holyhead and also at Paris in evening.

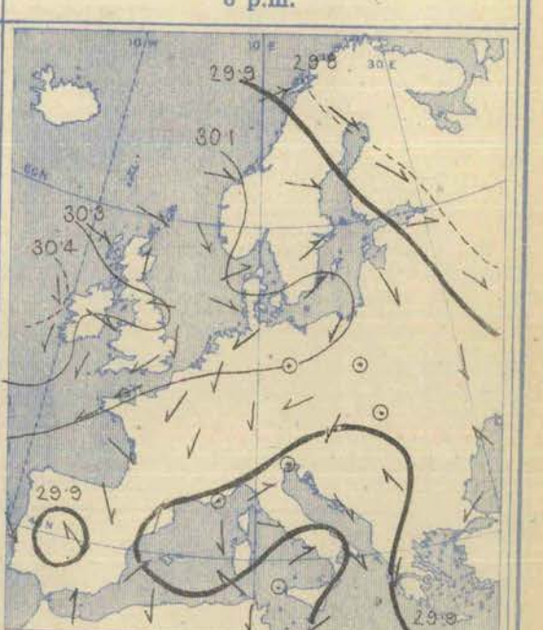
Temperature risen over Great Britain, the Netherlands, and France, but fallen in most other parts of Europe. Morning readings highest, 83° at Patras, 80° at Brindisi, 77° at Athens, and 76° at Malta and Algiers; above 65° over western Germany, central Sweden, and the south-west of Scotland, and above 60° in many parts of the United Kingdom. Lowest, 47° at Bodö, 48° at Moscow, 50° at Kharkov, and 51° at Archangel. Rising during day to 70° and upwards in most parts of western, central, and southern Europe, and reaching 77° at Parsonstown, Berlin, Paris, and Perpignan; exceeding 80° at some of the Italian stations.

Barometer and Wind.

8 a.m.



6 p.m.



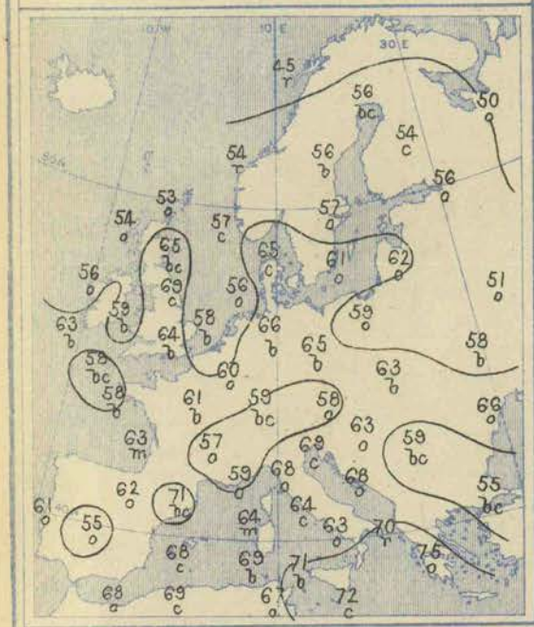
Wind North-Easterly over England, the Netherlands, Germany, and the northern parts of France; fresh or strong in force at the Channel stations. Light from the Northward in Ireland; calm or variable in Scotland. Moderate to strong from the Westward or South-Westward over the northern parts of Scandinavia, with a gale at Christiansund, light from the North-Westward or Northward in Russia. Light and variable over the whole of southern Europe. Westerly or North-Westerly breezes setting in later at several of the English stations; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards over the northern and central parts of Ireland, 30·2 ins. and upwards in an anticyclone stretching from the Atlantic over the whole of our Islands, the North Sea, Denmark, and the southern half of Scandinavia. Lowest, 29·9 ins. and less over Lapland, central Russia, and the eastern parts of the Mediterranean, as well as in a small area lying over the south-west of Portugal. Fall taking place over north-western Europe during day, and anticyclone beginning to break up.

Saturday, 8th June.

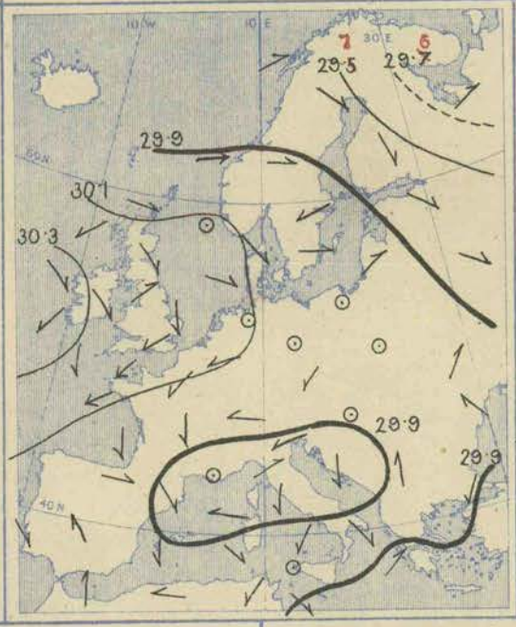
Temperature and Weather.

8 a.m.

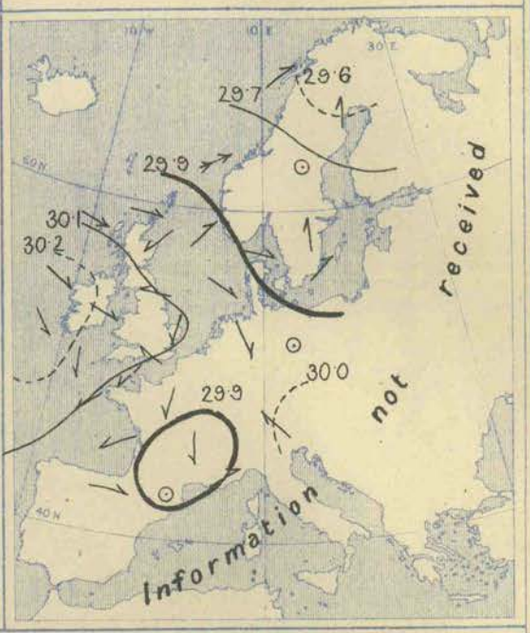


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull at most of our own northern stations and rainy in the west of Norway. Dull also over the Baltic, central Russia, and the greater part of southern Europe, with rain at Toulon and Brindisi; fine over the central and southern parts of our Islands and all the more central parts of the Continent. Sky clearing later at many of our northern stations, but rain setting in at night in the Shetlands and Hebrides. Thunderstorms, with rain occurring at Lyons and Biarritz. Solar halo seen at Oxford.

Temperature risen over England, France, Germany, and the south of Russia; changed rather irregularly elsewhere, but fallen in most places. Morning readings highest, (1) 75° at Patras, 74° at Barcelona, 72° at Malta, and 71° at Palermo; (2) 69° at Shields and 67° at Prawle Point; (3) 67° at Faerder and 66° at Carlstadt. Lowest, (1) 45° at Bodö, 50° at Archangel, and 51° at Moscow; (2) 51° at the North Foreland and Cape Gris Nez. Rising during day to 75° and upwards in many parts of Great Britain and reaching 80° in London, but not exceeding 57° at the North Foreland. Rising to 80° at Nice and 81° at Berlin.

Wind rather variable over the northern parts of our Islands, but chiefly Westerly or North-Westerly. Light to moderate from the Northward or North-Eastward in the south of our Islands, as well as in the Netherlands and the north of France; light and variable over the greater part of southern Europe. South-Westerly in the west of Norway, with a moderate gale at Christiansund; North-Westerly over the northern and central parts of Russia. No important change occurring during day, but gale at Christiansund increasing somewhat in strength.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying over and to the westward of Ireland. Lowest, 29·6 ins. and less in a depression over northern Russia; 29·9 ins. and less in an elongated area extending from the north-east of Spain to the Balkan Provinces, and also in another area over Asia Minor and the eastern parts of the Mediterranean. Barometer falling over western Europe during day, but general distribution of pressure remaining unchanged.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The disturbances which caused the unsettled weather which prevailed over the British Isles and north-western Europe at the close of last week dispersed during Sunday and Monday, and during the succeeding few days a well-marked anticyclonic system again spread over the United Kingdom from the Atlantic, while a "ridge" extended thence across central to south-eastern Europe. Northerly and North-Westerly winds again became prevalent over the north-western countries, the barometer being highest in those regions on the 6th. The weather was fine, dry, and bright, but, on Friday and Saturday, disturbances were appearing over northern and southern Europe. The anticyclone then appeared to be giving way, and local disturbances were found in several parts even of the British Islands, with a less fair condition of the weather. Solar halos were seen in places, thunderstorms occurred in several localities, and a mirage was reported at the mouth of the Thames.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 134.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	50·0	?	42	?	EASTBOURNE	65·5	?	58	?
OSWALDKIRK (Yorkshire)	38·9	?	33	?	MANCHESTER (Oldham Road)	39·4*	?	34*	?
WORKSOP	33·9	− 4·1	29	− 4	TENBY	70·8*	?	62*	?
THURCASTON (Leicestershire)	52·8	+13·1	46	+13	NEWQUAY	78·0	?	70	?
MARGATE	42·3	?	37	?	TORQUAY	70·9*	?	63*	?
WESTBOURNE (Sussex)	64·5*	?	57*	?	ARLEY COTTAGE (County Cavan)	69·5	?	60	?
BRIGHTON	64·3	?	57	?	GUERNSEY	63·7*	?	57*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 24.] *Third Series.* WEEK ENDING SATURDAY, JUNE 15TH, 1895. [*Price 6d.* *Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 140.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	34	55·2	41·6	47·9	4 below	43	−18	1	0	589	+ 85	811	+234
	1. SCOTLAND, EAST	73	34	60·4	41·8	50·5	3 below	60	−20	1	+ 1	676	0	988	+415
	2. ENGLAND, N.E.	75	33	61·4	45·1	52·7	2 below	75	− 9	0	0	701	+ 31	783	+277
	3. ENGLAND, EAST	79	36	63·6	44·6	53·4	3 below	80	−18	0	0	843	− 2	854	+233
	4. MIDLAND COUNTIES	80	32	66·1	43·2	53·9	2 below	83	−14	0	0	888	+ 18	934*	+372
	5. ENGLAND, SOUTH	85	34	66·1	47·6	56·2	1 below	99	− 5	0	0	893	− 44	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	29	60·7	43·1	51·3	3 below	65	−18	0	0	749	+ 35	778	+334
	7. ENGLAND, N.W.	71	34	60·7	46·3	53·0	3 below	77	−13	0	0	768*	+ 16	724	+302
	8. ENGLAND, S.W.	82	34	65·0	47·8	55·8	0 (average)	97	+ 2	0	0	875	− 10	654	+337
	9. IRELAND, NORTH	72	30	62·3	43·7	52·3	2 below	72	−14	0	0	798	− 20	642	+275
	10. IRELAND, SOUTH	71	37	62·8	47·6	54·7	1 below	89	− 5	0	0	892	− 65	479	+195
	—CHANNEL ISLANDS	73	49	62·6	53·0	57·5	0 (average)	109	+ 9	0	0	975	− 44	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 140.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	1 less	100	−11	16·4	− 5·4	43	+13	35	+12	607	+ 43	32	+ 2
	1. SCOTLAND EAST	3	2	3 less	78	−10	9·3	− 3·5	58	+ 9	48	+ 8	673	+ 76	36	+ 3
	2. ENGLAND, N.E.	3	2	3 less	84	+ 1	10·4	+ 0·1	51	+14	44	+12	685	+ 94	33	+ 4
	3. ENGLAND, EAST	3	3	2 less	76	− 5	8·3	− 1·9	53	+ 6	46	+ 7	765	+ 69	38	+ 4
	4. MIDLAND COUNTIES	2	1	4 less	65	−14	8·4	− 3·3	63	+22	54	+19	741	+122	36	+ 6
	5. ENGLAND, SOUTH	2	3	2 less	63	−15	7·4	− 4·0	55	+ 9	48	+ 8	793	+ 69	37	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	6 less	81	−13	10·4	−11·0	67	+23	56	+19	705	+ 61	34	+ 3
	7. ENGLAND, N.W.	1	1	4 less	72	−14	10·2	− 3·2	65	+27	56	+23	643	+ 92	35	+ 4
	8. ENGLAND, S.W.	1	3	2 less	68	−21	11·8	− 4·6	73	+23	64	+20	918	+167	44	+ 8
	9. IRELAND, NORTH	3	2	5 less	89	−11	10·9	− 3·7	67	+27	57	+23	718	+101	35	+ 5
	10. IRELAND, SOUTH	2	4	2 less	77	−17	13·1	− 3·9	50	+ 6	43	+ 5	750	+ 31	36	+ 1
	—CHANNEL ISLANDS	2	1	3 less	81	−15	10·5	− 3·2	78	+18	70	+17	972	+128	48	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued fine and very dry over the Kingdom as a whole, but slight falls of rain occurred almost daily in the extreme north of Scotland, while, about the middle of the week, rather considerable quantities of rain were experienced at a few of our southern and south-western stations, and a very slight fall in most other localities. Thunder and lightning were reported in different parts of England during the latter part of the period.

Temperature just equalled the normal in England S.W. and the Channel Islands, but in all other districts it was below, the deficit ranging from only 1° in England S. and Ireland S. to 4° in Scotland N. The highest of the maxima were recorded on the first day of the period, when they ranged from 85° in England S., 82° in England S.W., and 80° in the Midland Counties, to 71° in England N.W. and Ireland S., 66° in Scotland W., and 65° in Scotland N. The absolute minima, which were registered during the latter part of the week, were low generally for the time of year, and exceedingly low at most of the inland stations. In Scotland W. (at Glenlee on the 15th) the sheltered thermometer fell to 29°, and in Ireland N. (at Edenfel and Markree on the 13th) to 30°. In the Midland Counties the lowest readings reported were 32° at Loughborough and 29° at Tean, near Cheadle. In the other districts the minima ranged from 33° in England N.E., and from 34° in several other districts, to 37° in Ireland S., and to 49° in the Channel Islands. The lowest grass minima reported were 24° at Edenfel, 25° at Tean and Ochtertyre, 26° at Loughborough, 28° at Strathfield Turgiss, and 29° at Oxford.

Rainfall was less than the mean in all districts.

Bright Sunshine again exceeded the mean; the percentages of the possible duration ranging from 70 in the Channel Islands, 64 in England S.W., and 57 in Ireland N., to 44 in England N.E., 43 in Ireland S., and to 35 in Scotland N.

Barometer and Wind.—During the greater part of this period the distribution of pressure was mainly anticyclonic, but shallow depressions affected our northern stations during the earlier part of the time, and, later on, a shallow disturbance moved eastwards over our southern counties. By the end of the week, however, anticyclonic conditions became general. North-Westerly to Northerly and North-Easterly winds were prevalent until the week drew towards its close, when light and rather variable breezes were experienced.

637 1|90 W. & S., Ltd.
213 70 6|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 139 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	56	37	52·1	42·1	46·8	− 2·3	34	0	7	0·58	+0·11	*	*	*	*
	Stornoway	57	38	54·3	42·3	47·9	− 3·4	41	0	6	0·71	+0·04	55·3	+13·5	45	+12
	Wick	59	34	55·1	40·4	47·2	− 4·4	43	4	7	0·32	+0·52	*	*	*	*
	Glencarron Ⓢ	58	36	53·4	40·4	46·5	− 5·0	38	4	6	1·17	−0·03	*	*	*	*
	Fort Augustus Ⓢ	65	34	58·0	40·9	48·9	− 4·6	53	3	4	0·14	−0·36	28·5	?	23	?
	Fort William Ⓢ	63	35	58·2	43·3	50·2	− 4·1	57	0	2	0·22	−0·70	46·2	?	38	?
1. SCOTLAND, E.	Nairn	63	36	58·4	42·0	49·6	− 4·6	53	0	4	0·44	+0·04	*	*	*	*
	Aberdeen	67	38	58·6	42·9	50·2	− 3·1	57	0	5	0·19	−0·21	54·9	+ 8·9	45	+ 8
	Braemar Ⓢ	63	34	55·7	40·8	47·7	− 3·7	45	3	4	0·48	−0·06	56·0†	?†	46†	?†
	Ochtertyre Ⓢ	71	34	65·0	38·6	50·9	− 3·0	77	10	1	0·01	−0·59	*	*	*	*
	Leith Ⓢ	73	39	63·6	45·4	53·9	− 1·0	83	0	3	0·13	−0·26	*	*	*	*
	Marchmont Ⓢ	69	36	61·1	41·1	50·4	− 2·9	63	3	2	0·05	−0·53	61·5	?	51	?
2. ENGLAND, N.E.	Alnwick Castle	64	35	58·4	43·3	50·3	− 2·6	58	0	4	0·23	−0·17	*	*	*	*
	Durham	74	33	64·0	41·9	52·2	− 2·3	72	0	4	0·16	−0·28	55·5	+17·3	47	+15
	Shields	69	37	59·4	43·0	50·6	− 3·2	60	0	1	0·08	−0·32	*	*	*	*
	Scarborough Ⓜ	73	42	64·1	47·1	55·1	+ 0·4	92	0	4	0·42	−0·04	*	*	*	*
	York	75	36	64·1	46·4	54·6	− 1·6	88	0	4	0·09	−0·41	50·1	+10·5	43	+ 9
	Spurn Head	64	43	58·3	48·9	53·3	− 1·8	79	0	3	0·10	−0·27	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	77	36	64·3	44·1	53·5	− 2·9	81	0	3	0·24	−0·26	57·5	+12·4	50	+11
	Yarmouth	61	42	58·6	47·3	52·6	− 2·9	74	0	2	0·31	−0·11	*	*	*	*
	Geldeston	71	37	62·9	42·8	52·2	− 3·7	71	0	5	0·55	+0·18	51·1	+ 1·1	44	+ 1
	Cambridge	79	37	66·1	44·6	54·6	− 2·7	88	0	3	0·13	−0·39	52·6	+ 7·6	46	+ 7
	Rothamsted	78	36	65·9	44·2	54·3	− 1·9	86	0	1	0·08	−0·42	52·3	?	45	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	34	65·1	41·1	52·3	− 4·1	76	3	2	0·07	−0·45	*	*	*	*
	Loughborough	78	32	66·4	43·9	54·4	− 3·2	87	0	3	0·12	−0·40	*	*	*	*
	Stamford (Ketton Hall)	78	35	67·1	42·0	53·7	− 3·7	82	0	3	0·17	−0·27	*	*	*	*
	Cheadle Ⓜ	70	38	62·4	44·0	52·6	− 1·6	74	0	2	0·27	−0·39	*	*	*	*
	Solihull	71	35	64·3	44·3	53·6	− 2·8	81	0	2	0·12	?	*	*	*	*
	Churchstoke Ⓜ	73	35	64·2	40·5	51·5	− 2·9	73	4	1	0·12	−0·36	74·2	+32·6	64	+28
	Hereford Ⓜ	77	37	69·6	42·9	55·3	− 1·7	93	0	1	0·02	−0·48	*	*	*	*
	Cirencester	76	36	66·9	43·9	54·6	− 0·8	88	0	1	0·07	−0·48	66·1	+22·1	57	+19
	Oxford	80	38	69·1	46·3	56·9	0·0	104	0	1	0·08	−0·44	65·3	+21·3	57	+19
5. ENGLAND, S.	London	80	42	68·7	48·1	57·7	− 0·8	110	0	1	0·02	−0·43	52·9†	+11·9†	46†	+10†
	North Foreland	60	45	59·1	48·4	53·4	− 2·5	80	0	3	0·21	?	*	*	*	*
	Strathfield Turgiss Ⓜ	83	34	71·1	43·0	56·1	− 1·1	99	0	1	0·02	−0·42	*	*	*	*
	Dungeness	66	38	62·0	47·6	54·3	− 2·7	86	0	2	0·13	−0·25	*	*	*	*
	Hastings (St. Leonards)	75	43	63·4	49·3	55·9	− 1·6	97	0	2	0·32	−0·08	57·7	+ 6·1	51	+ 5
	Southampton	85	42	71·8	48·7	59·5	+ 1·6	123	0	2	0·82	+0·37	57·6	+ 9·6	51	+ 9
	Hurst Castle	75	43	67·3	49·7	57·8	+ 0·6	111	0	1	0·44	+0·01	*	*	*	*
	Stowell Ⓜ	76	38	65·5	46·1	55·1	− 1·3	92	0	1	0·31	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	62	36	56·9	42·5	49·2	− 4·9	50	0	4	0·33	−0·77	*	*	*	*
	Glasgow	66	39	60·8	44·3	52·0	− 2·4	70	0	2	0·06	−0·54	60·5	+23·3	50	+19
	Ardrossan	65	40	61·1	46·6	53·4	− 1·5	80	0	1	0·03	−0·55	*	*	*	*
	Glenlee Ⓢ	66	29	62·5	39·4	50·2	− 3·5	68	7	1	0·10	−0·62	*	*	*	*
	Douglas (Isle of Man)	66	37	62·4	42·8	51·9	− 2·6	69	0	0	—	−0·5J	72·5	+21·7	62	+19
7. ENGLAND, N.W.	Stonyhurst	64	35	59·3	41·2	51·2	− 4·0	64	0	2	0·17	−0·57	75·9	+32·4	65	+28
	Blackpool Ⓜ	63	35	61·0	47·7	53·9	− 1·6	83	0	1	0·02	−0·47	64·0	+19·5	55	+17
	Manchester (Prestwich)	71	34	64·5	42·9	53·0	− 2·4	77	0	2	0·13	−0·55	60·6	?	52	?
	Liverpool Obsy. (Bidston)	62	43	59·7	48·3	53·6	− 3·0	81	0	1	0·11	−0·31	*	*	*	*
	Llandudno Ⓜ	64	43	60·3	47·4	53·4	− 3·3	80	0	1	0·20	−0·20	69·3	+27·3	60	+24
	Holyhead	63	43	59·4	47·3	52·9	− 2·8	76	0	1	0·12	−0·33	*	*	*	*
8. ENGLAND, S.W.	Llandovery	78	34	70·1	42·4	55·3	− 1·3	93	0	1	0·03	−0·62	*	*	*	*
	Pembroke	61	45	58·0	49·3	53·4	− 1·7	80	0	1	0·17	−0·27	74·0	+19·5	64	+17
	Bristol (Montpelier)	82	42	70·8	49·0	59·1	+ 2·0	120	0	1	0·01	−0·52	*	*	*	*
	Arlington (N. Devon)	70	41	65·1	45·6	53·7	− 1·1	82	0	1	0·58	−0·17	*	*	*	*
	Cullompton Ⓜ	78	40	67·8	47·7	57·1	+ 0·7	106	0	1	0·61	+0·08	63·1	+17·5	55	+15
	Falmouth	67	47	61·9	50·2	55·6	− 0·9	95	0	1	0·16	−0·44	77·3	+24·8	68	+21
	Plymouth	69	42	63·6	49·4	56·0	− 2·5	98	0	1	0·47	+0·02	76·9	+29·4	68	+26
	Prawle Point	73	44	64·7	49·1	56·4	+ 1·3	101	0	1	0·32	−0·03	*	*	*	*
9. IRELAND, N.	Malin Head	62	44	56·9	49·0	52·7	− 2·0	75	0	3	0·10	?	*	*	*	*
	Londonderry	72	38	65·2	44·6	54·2	− 0·5	85	0	4	0·20	−0·38	*	*	*	*
	Edenfel (Omagh)	68	30	61·1	41·9	50·4	− 4·1	63	3	3	0·14	−0·45	*	*	*	*
	Belmullet	68	43	61·0	49·0	54·3	− 0·1	88	0	4	0·11	?	*	*	*	*
	Markree Castle	69	30	62·6	42·2	51·7	− 2·2	68	0	3	0·26	−0·41	61·0	+23·6	52	+20
	Brookeborough	70	31	63·4	41·1	51·5	− 2·7	70	3	3	0·11	−0·56	*	*	*	*
	Armagh	71	35	64·2	41·3	52·0	− 2·7	73	2	3	0·08	−0·41	70·3	+30·2	60	+26
	Donaghadee	65	38	60·6	44·1	51·8	− 2·8	69	0	3	0·21	−0·24	*	*	*	*
	Edgeworthstown	71	35	65·7	41·1	52·5	− 2·3	77	3	1	0·13	−0·57	*	*	*	*
10. IRELAND, S.	Dublin	67	42	63·0	47·0	54·4	− 2·3	87	0	2	0·32	−0·10	67·8	+24·0	58	+20
	Parsonstown	71	40	63·9	45·6	54·1	− 1·5	85	0	1	0·08	−0·46	41·J	+ 1·0	36	+ 1
	Kilkenny	67	37	63·7	44·1	53·2	− 2·6	78	0	1	0·04	−0·47	*	*	*	*
	Roche's Point	69	45	63·4	50·7	56·6	− 0·2	102	0	3	0·71	−0·01	*	*	*	*
	Valencia	64	48	60·7	50·6	55·3	− 0·6	93	0	2	0·56	−0·18	41·6	− 4·9	36	− 4
	Killarney	67	40	62·5	47·3	54·4	− 0·9	87	0	4	0·82	?	*	*	*	*
	Foynes	69	44	62·1	48·2	54·7	− 0·6	89	0	3	0·57	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	62	51	60·7	53·0	56·6	+ 0·2	102	0	1	0·04	−0·36	76·7	?	68	?
	Jersey	73	49	64·4	53·0	58·3	+ 0·6	114	0	2	0·14	−0·30	73·0	+17·9	66	+17

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

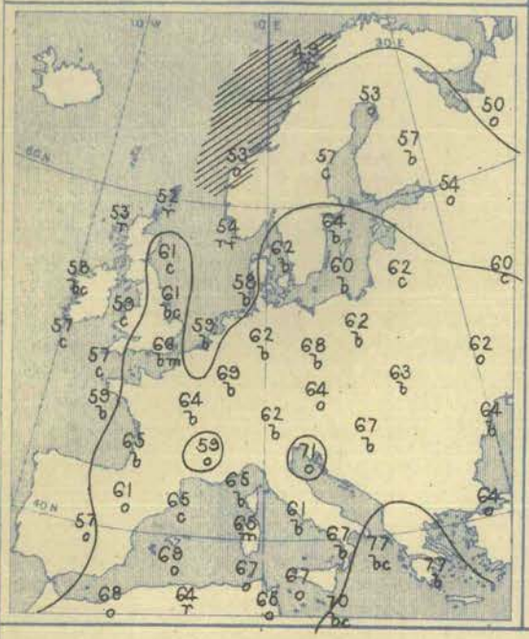
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Eyghill Row) at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 9th June.

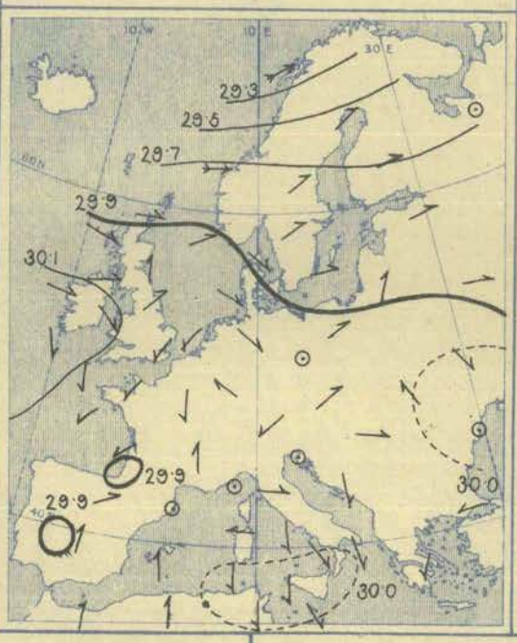
Temperature and Weather.

8 a.m.

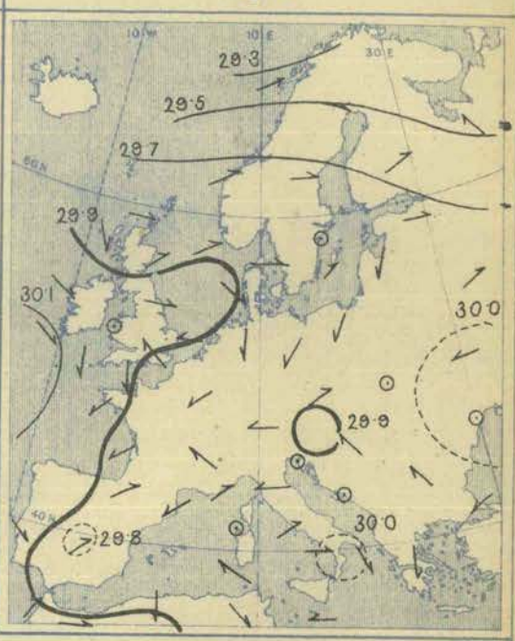


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern, southern, and western Europe, including the greater part of the British Islands, dull and unsettled in the extreme north and north-west, with rain at Stornoway, Sumburgh Head, and Bodö. Rain falling later in small quantity over Norway and the extreme north of our Islands; larger quantities in the south-west and south of France and in Germany, where also thunderstorms occurred very generally.

Temperature in morning highest, 77° at Patras and Brindisi, 74° at Athens, 70° at Malta, and exceeding 60° over the greater part of Continental Europe and of England. Lowest, 49° at Bodö, 50° at Archangel, 52° at Sumburgh Head, 53° at Stornoway and Christiansund, 54° at Skudesnaes. Rising later to between 75° and 80° over England, to 82° at Paris, and a little higher over some other parts of France. Night mild generally.

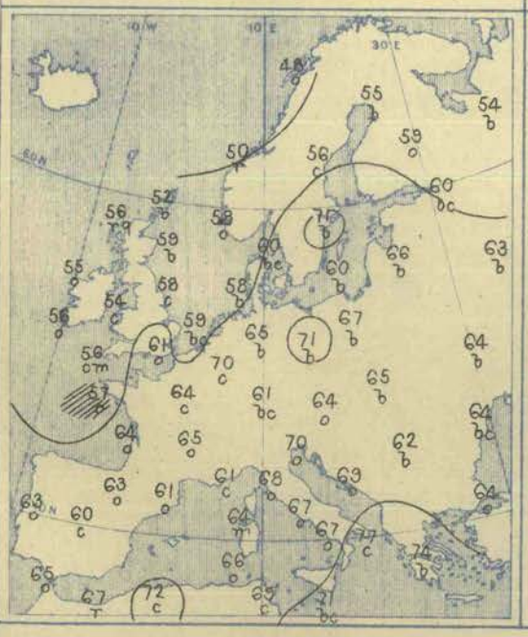
Wind (1) Westerly, moderate, in the north of Scotland, South-Westerly, a gale, in the north of Norway; (2) light and variable over Ireland, England, and central Europe; (3) Northerly to North-Easterly on our south-west coasts and over the Bay of Biscay. Veering Northwards in Scotland later and falling calm, calms very prevalent over central Europe also, and variable airs over the Mediterranean.

Barometer highest, (1) 30·1 ins. and more over Ireland, and exceeding 30·0 ins. in a col stretching thence across England and the Netherlands to central Germany; (3) exceeding 30·0 ins. over the south of Russia, as well as over Sicily, Sardinia, and the south of Italy. Lowest, 29·3 ins, and less over the west of Lapland (gradients steep over north of Scandinavia), and about 29·3 ins. in shallow local disturbances over the central and south-western parts of France. Fresh shallow depression over Germany later.

Monday, 10th June.

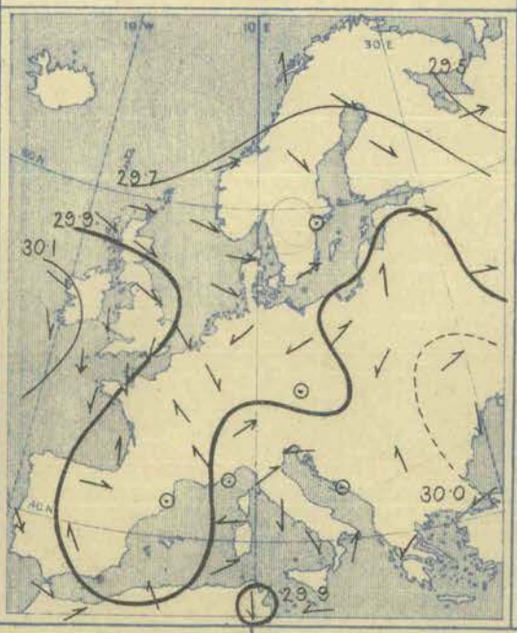
Temperature and Weather.

8 a.m.

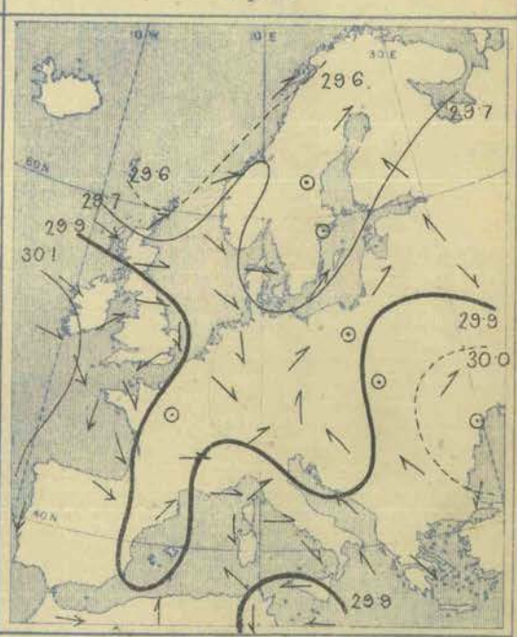


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Continent as a whole, as well as in many parts of our Islands, but dull and unsettled in the extreme west and north-west, rainy at Stornoway and Christiansund. Rain falling later in moderate quantity over the Shetlands and Hebrides, and in small quantities in the north of Ireland and west of Norway. Thunderstorm reported at North Foreland, local showers over Germany and France.

Temperature highest, 74° to 70° over Greece, at Malta, and at Algiers, 71° at Stockholm, and exceeding 60° at all but the most northern and north-western stations. Lowest, 48° at Bodö, 50° at Christiansund, 52° at Sumburgh Head, 54° at Holyhead. Rising later to between 70° and 75° over France and to 84° at Berlin; to 71° at Loughborough and Oxford, and 77° at Stockholm.

Wind (1) light and variable over the Continent generally; (2) anticyclonic, Westerly, over the northern parts of Ireland and England, Northerly in the South and over the Channel; (3) cyclonic, Westerly, in the north of Scotland, South-Westerly to Southerly in Norway.

Barometer highest, 30·1 ins. and more to 29·9 ins. (1) over the British Islands and neighbouring parts of the Atlantic, (2) over the Black Sea, south of Russia, Austria, and eastern Germany. Lowest, below 29·5 ins. over the north of Russia, below 29·7 ins. off the north-west of Norway, and below 29·9 ins. over the Netherlands, France, and the north-east of Spain. A shallow depression approaching Norway from the Westward later.

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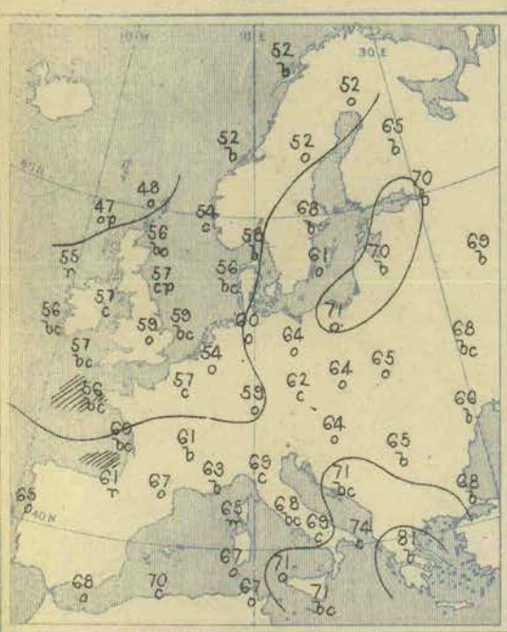
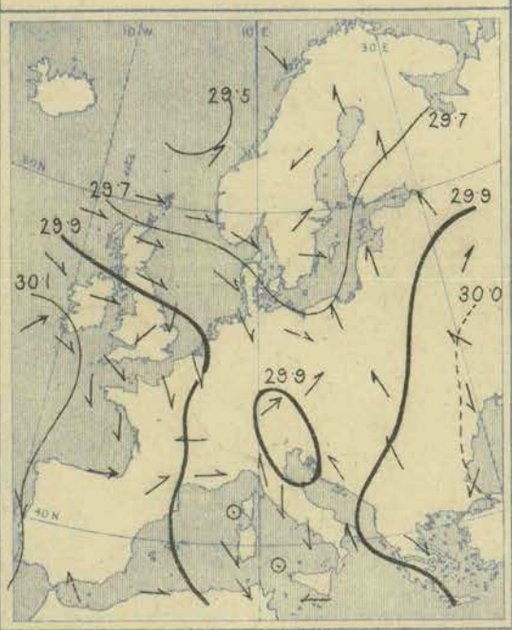
Tuesday, 11th June.

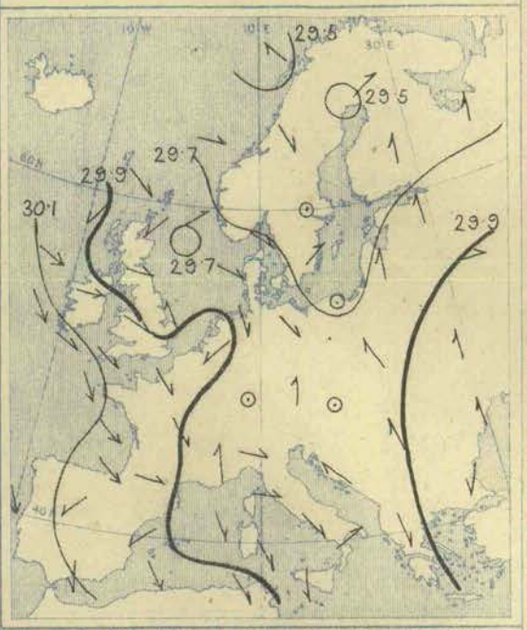
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over northern, eastern, and south-eastern Europe, and also in many parts of the British Isles, dull, unsettled, and showery, however, on our north-western coasts, rainy at Biarritz. Considerable rain in the north of Scotland later, and smaller quantities in the north-west, north, and east of the British Isles generally, as well as in Lapland, the north of Sweden, and south of France; much thunder and lightning at Lyons.

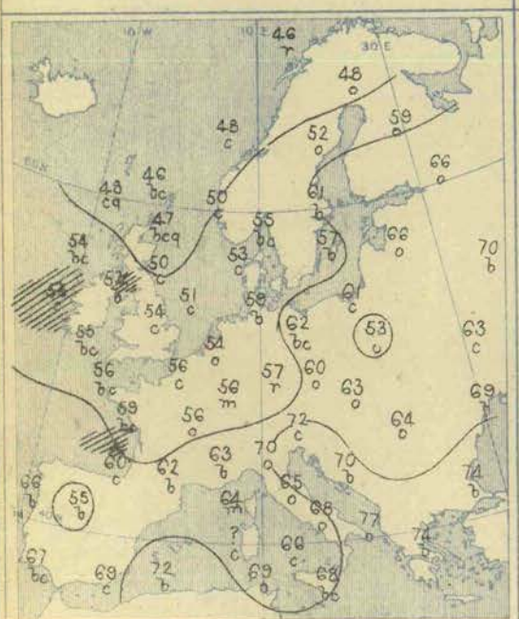
Temperature falling in north of British Isles. Morning readings highest, 81° at Patras, and exceeding 70° at Athens, Malta, Algiers, and Barcelona, 71° at Neufahrwasser, 69° at Moscow, and above 60° over all but the north-western countries. Lowest, 47° at Stornoway, 48° at Sumburgh Head, and 52° at Malin Head, Wick, and Christiansund. The fall in north spreading southwards later, but maxima recorded of 75° at Stockholm, 72° at Hurst Castle, 74° at Lyons; no reading above 52° at Sumburgh Head and Stornoway.

Wind (1) North-Westerly to Westerly over the United Kingdom, North-Westerly and Northerly over France, light in most places, but strong at Malin Head; (2) North-Westerly over Denmark, but Southerly over the Baltic Provinces and Finland. Shifting to North-West more generally over our Islands later and freshening somewhat.

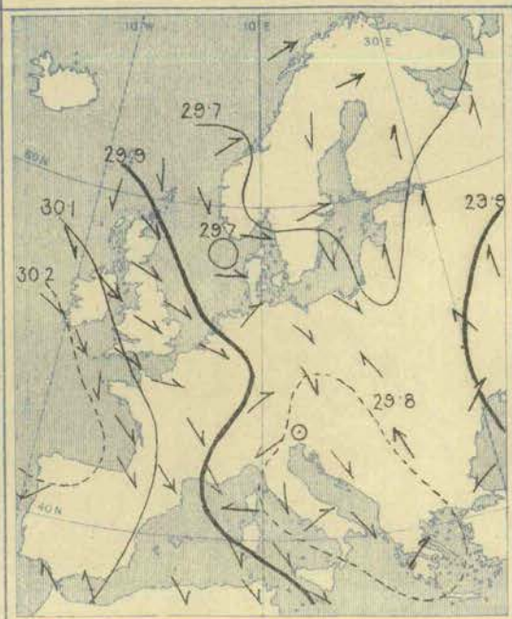
Barometer highest, (1) 29·9 ins. to 30·1 ins. over Ireland, England, France, Spain, and adjacent parts of the Atlantic; (2) 29·9 ins. to 30·0 ins. and more over the south-eastern countries and the southern half of Russia. Lowest, about 29·5 ins. to 29·6 ins. in a complex depression over Scandinavia and the Shetlands, and below 29·8 ins. in a "V" stretching southwards across the Baltic to Germany. Northern disturbances moving south-eastwards later.

Wednesday, 12th June.

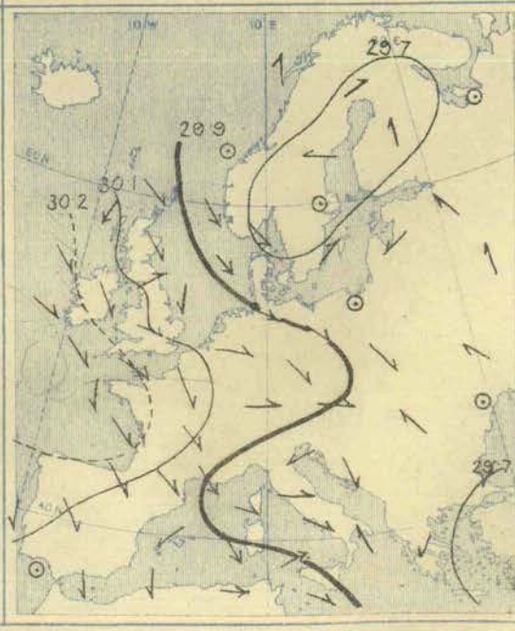
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine and bright on the shores of the Black Sea, as well as at most stations in south-western and western Europe; cloudy and unsettled, however, on our own north-western and northern coasts and in the north-west of Norway, with rain at several of the stations. Showers falling later at our northern and several of the western stations, thunder occurring locally over our midland and south-eastern counties; halos seen at Oxford and in London.

Temperature fallen decidedly over the British Islands, France, and north Germany. Morning readings exceeding 70° at the stations in south-eastern Europe, at Algiers, Palma, and Oporto, touching 70° at Moscow, and exceeding 60° over southern and central Europe and the north of Russia. Lowest, 43° to 47° over the northern half of Scotland, 46° at Sumburgh Head and Bodö, 48° at Haparanda and Christiansund. Failing to reach 65° over our Islands during the day, but touching 73° at Nice, 72° at Berlin, and 66° at Paris.

Wind (1) North-Westerly, fresh to moderate, over the United Kingdom, the west of France, and North Sea, but South-Westerly to Southerly over many parts of northern Europe and the Baltic; North-Easterly over the north of Italy, North-Westerly over the Mediterranean, South-Easterly to Southerly over the south of Russia and Hungary. Becoming variable over our Islands later, the wind backing to South-West in a few localities, but decreasing in force generally.

Barometer highest, (1) 30·2 ins. and more to 30·6 ins. in a large low pressure area spreading in from the Atlantic over the British Islands and western Europe; (2) 30·0 ins. and more to 29·9 ins. over the south of Russia. Lowest, below 29·7 ins. in a large shallow area of low pressure lying over Scandinavia and Finland, and below 29·8 ins. in another over Italy, the Adriatic, and the eastern half of the Balkan Peninsula. Rising slowly in our Islands till midnight.

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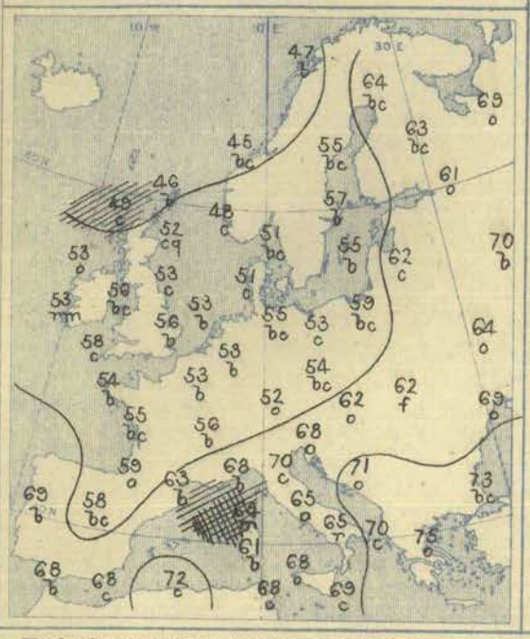
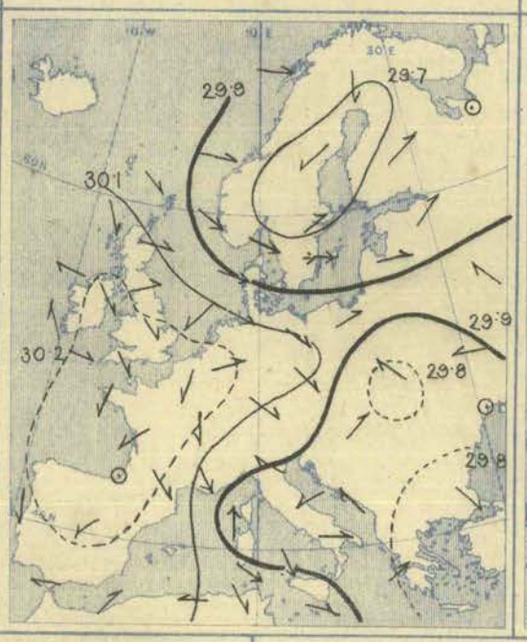
Thursday, 13th June.

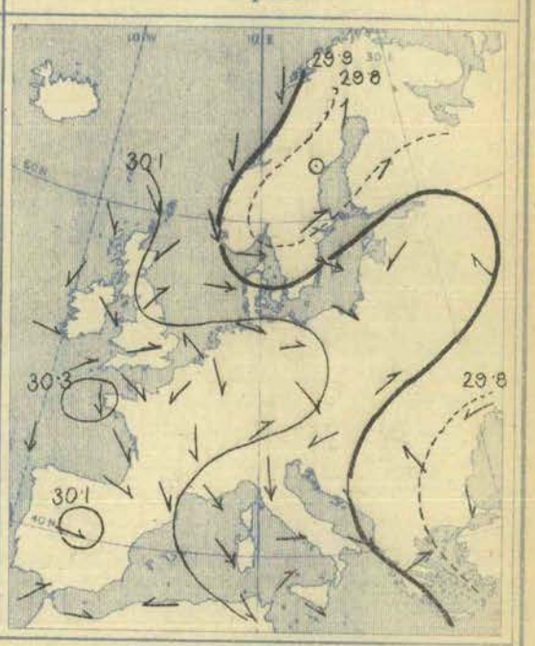
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain, France, and England, as well as on the Norwegian coast and at several of the Baltic stations, cloudy and rather unsettled elsewhere, with rain locally in the west of Ireland and in Hungary and several parts of Italy. Rain falling later in small quantities over the northern parts of our area, and in considerable quantity in the extreme south of Ireland and England, thunderstorms occurring at Yarmouth and the North Foreland.

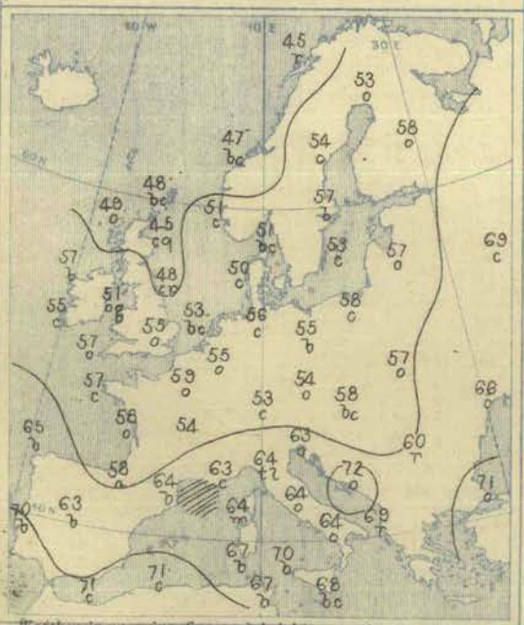
Temperature highest, 70° to 75° at the stations in south-eastern Europe, 72° at Algiers, 71° at Palma and Lesina, 70° at Leghorn. Below 60° over the British Islands, north-western and central Europe generally, and, lowest of all, 45° at Christiansund and Wick, 46° at Sumburgh Head, 47° at Bodö. Rising to between 65° and 67° over our inland counties later, to 75° at Nice, and 82° at Lisbon, and touching 70° even at Haparanda. Night very cold over our north-midland counties.

Wind (1) light and anticyclonic over the British Islands, France, and Spain; (2) North-Westerly and strong on the eastern shores of the North Sea, Westerly, a gale, at Wisby, South-South-Westerly, light, on the eastern shores of the Baltic; (3) North-Easterly to Northerly in the north of Italy (but Southerly at Sanguinaire), North-Westerly at Cagliari, Palermo, and Malta, South-Westerly over Greece. Becoming cyclonic and freshening slightly over England later.

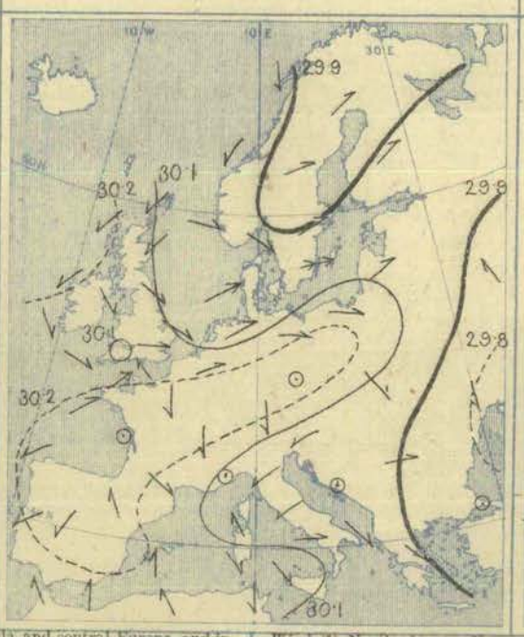
Barometer highest, 30·2 ins. and more to 30·1 ins. in an anticyclone covering the British Isles and western Europe. Lowest, (1) 29·7 ins. and less in a depression over Sweden and the Gulf of Bothnia; (2) 29·8 ins. and less over Asia Minor, over Hungary, and over the Adriatic; (3) 29·9 ins. and less over Corsica. Falling a little over Ireland and England later, owing to the advance of a small shallow depression from the westward.

Friday, 14th June.

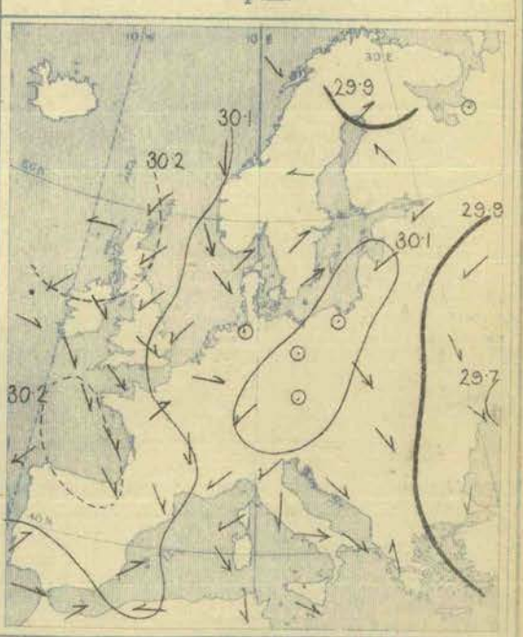
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Spanish Peninsula and central Europe, and in several of the western and northern parts of the British Islands; rainy along the south coast of England and the Channel, as well as at Christiansund, rainy also over south-eastern Europe, thunder prevalent at the Helder. Considerable rain later over the countries lying to the eastward of the North Sea and the eastern parts of France, slight falls over the northern and extreme southern parts of our Islands, thunder occurring at Yarmouth and in the south of France.

Temperature fallen fast over England and less quickly over Russia. Morning readings highest, 75° at Athens, 70° or more at Constantinople, Palermo, Algiers, Palma, and on the south-west coast of Spain; 69° at Moscow, and exceeding 60° over the southern parts of Russia. Lowest, 45° to 47° in the north-west of Norway, 45° at Aberdeen, 48° at Sumburgh Head, 50° at York and Ardrossan. Not touching 70° in any part of our Islands later, and falling to reach 80° over France and Italy, and falling very low over the midland counties at night, where sharp frost occurred on the grass.

Wind (1) Northerly over Norway, Westerly over Denmark (West-South-West, gale, at Wisby), South-Westerly over the Gulfs of Bothnia and Finland; (2) Northerly and North-Westerly over the United Kingdom as a whole, but South-Westerly over the eastern parts of the Channel, and South-Easterly at Hurst Castle; (3) light and anticyclonic over Spain, France, and Germany. Northerly wind becoming still more general over the United Kingdom later and freshening over the Mediterranean.

Barometer highest, 30·2 ins. and more to 30·1 ins. in an anticyclonic system covering Spain, France, and Germany, and in another lying off our north-western coasts. Lowest, 29·8 ins. to 29·9 ins. in a depression lying over Lapland and Sweden; below 29·8 ins. in another over the south of Russia, and below 30·1 ins. in a small and very shallow one over Dorsetshire. Rising over our Islands later as the north-western anticyclone spread south-eastwards, and the small depression over England travelled away to the North Sea. Depression over south of Russia growing rather deeper.

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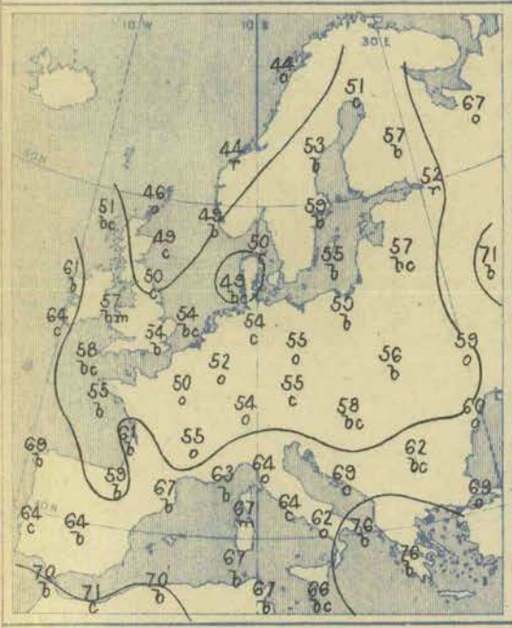
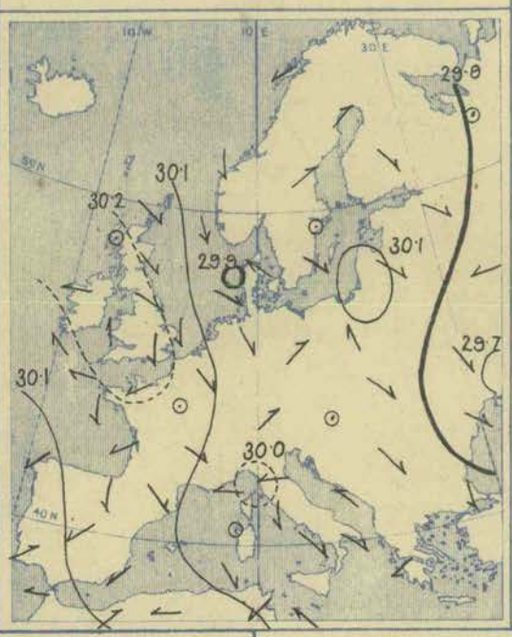
Saturday, 15th June.

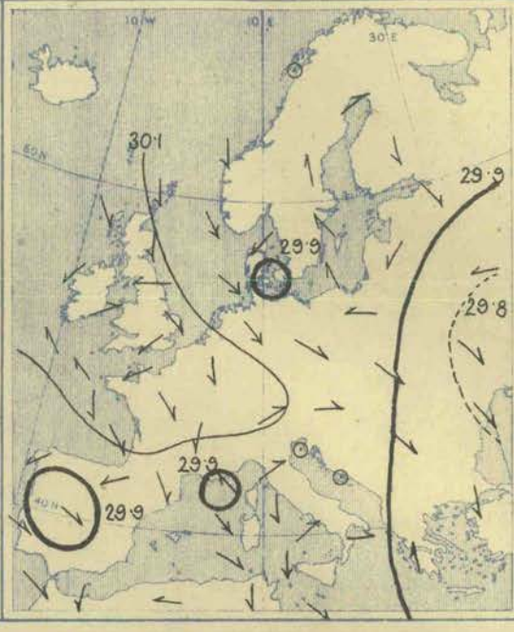
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over the British Islands, Spain, and the west of France, also over several parts of Russia and central Europe; cloudy more or less elsewhere and somewhat unsettled, rainy at Christiansund. Rain later over Scandinavia, Denmark, and Germany, and a little in the north of Scotland; weather very fine over Ireland and England.

Temperature fallen decidedly over England and France. Morning readings highest, 70° and more over at Brindisi, Greece and central Russia, and on the western shores of the Mediterranean; 64° at Valencia and Belmullet, but below 60° over by far the greater part of our Islands and the Continent. Lowest, 44° at Bodö and Christiansund, 46° at Sumburgh Head, 48° at Nairn, 50° at Shields. Rising to between 60° and 66° over Great Britain later, and to between 70° and 80° over the southern half of France. Falling greatly over England at night and touching 34° at Loughborough, 38° at Dungeness, and 39° at York.

Wind light and anticyclonic over the British Islands (North-Westerly in the east, South-Easterly in the west); extremely variable over northern and central Europe, but a cyclonic circulation of light winds prevalent over the south of Russia, another over the south-east of France, and a third over Denmark. Little change later.

Barometer highest, 30·2 ins. and more in an anticyclone over the British Islands, and exceeding 30·1 ins. over France, the east of Spain, and also over the Baltic Provinces. Lowest, 29·7 ins. and less in a depression over the south of Russia; about 29·9 ins. in another over Denmark, and about 30·0 ins. in another over the south-east of France. Very little change later.

GENERAL NOTES.

During all the earlier part of this week an anticyclone lay off the western coast of Spain, France and the British Islands, its eastern portion spreading over the countries named, and causing bright dry weather over Ireland and England. Shallow disturbances, however, soon appeared over the South of France and the Mediterranean on the one hand, and over the North of Europe on the other, and in each of these districts rain fell, while over France thunderstorms were experienced, and spread, subsequently, to Germany and Austria. Thursday night and Friday brought a complication to the south of our Islands, by the advance of a small disturbance from the westward, which brought considerable rain to the extreme south of our Islands, and thunder to our south-east coast.

In the rear of the last named disturbance, however, a new anticyclone was formed directly over the United Kingdom, and while the day temperatures were not very different from the mean, the nights were very sharp and frost was experienced on the grass at our Midland Stations, for three nights in succession.

REPORTS received too late for insertion in their proper places.

Date of Report.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
Jan. 5th, 1895.	York	—	—	—	—	—	—	—	—	—	—	—	13·0	+7·5	25	+14
,, ,, ,,	Laudale	48	18	41·1	25·5	33·3	- 6·6	0	60	7	0·93	-1·13	—	—	—	—
,, ,, ,,	Edgeworthstown	41	25	37·2	29·2	33·4	- 5·2	0	64	4	0·57	-0·13	—	—	—	—
,, 12th, ,,	Arley Cottage	—	—	—	—	—	—	—	—	—	—	—	7·2	?	14	?
,, 19th, ,,	Douglas	43	32	40·9	35·1	38·1	- 2·4	0	27	7	0·93	-0·13	7·8	-1·4	14	- 3
,, ,, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	14·2	?	25	?
Feb. 2nd, ,,	Blackpool	41	12	32·8	20·7	28·6	-10·2	0	94	2	0·36	-0·31	17·7	+7·2	30	+14
,, 9th, ,,	Scarborough	39	8	29·5	19·8	24·7	-14·5	0	121	3	0·18	-0·28	—	—	—	—
,, 23rd, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	32·0	?	45	?
Mar. 2nd, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	18·3	?	25	?
,, 9th, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	35·7	?	46	?

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 140.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	57·8	?	48	?	EASTBOURNE	62·0	?	54	?
OSWALDKIRK (Yorkshire)	47·5	?	41	?	MANCHESTER (Oldham Road)	54·7*	?	47*	?
WORKSOP	46·8	+10·0	40	+ 9	TENBY	76·4*	?	66*	?
THURCASTON (Leicestershire)	59·9	+22·2	52	+20	NEWQUAY	71·8	?	64	?
MARGATE	45·4	?	40	?	TORQUAY	69·2*	?	61*	?
WESTBOURNE (Sussex)	45·5*	?	40*	?	ARLEY COTTAGE (County Cavan)	70·3	?	60	?
BRIGHTON	62·9	?	55	?	GUERNSEY	83·0*	?	75*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith. 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 25.] *Third Series.* WEEK ENDING SATURDAY, JUNE 22ND, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 146.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	37	56·6	43·5	49·6	3 below	53	−12	0	− 1	642	+ 73	811	+263
	1. SCOTLAND, EAST	74	35	60·7	43·4	51·5	3 below	67	−19	0	0	743	− 19	988	+415
	2. ENGLAND, N.E.	78	37	64·0	45·6	54·1	2 below	85	− 6	0	0	786	+ 25	783	+277
	3. ENGLAND, EAST	77	38	68·0	46·0	56·3	1 below	100	− 4	0	0	943	− 6	854	+283
	4. MIDLAND COUNTIES	77	34	69·3	43·5	55·5	2 below	95	− 9	0	0	983	+ 9	934	+372
	5. ENGLAND, SOUTH	78	38	68·2	48·0	57·4	1 below	108	− 3	0	0	1001	− 47	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	72	31	61·0	44·2	52·0	3 below	70	−18	0	0	819	+ 17	778	+344
	7. ENGLAND, N.W.	72	36	62·5	46·3	53·8	3 below	83	−13	0	0	851	+ 3	725*	+303
	8. ENGLAND, S.W.	75	30	66·3	46·4	55·7	2 below	96	− 7	0	0	971	− 17	654	+337
	9. IRELAND, NORTH	72	34	62·7	44·5	53·0	3 below	77	−14	0	0	875	− 34	642	+275
	10. IRELAND, SOUTH	75	38	65·4	46·6	55·4	2 below	94	− 7	0	0	986	− 72	479	+195
	—CHANNEL ISLANDS	73	48	65·5	53·7	59·2	1 above	120	+13	0	0	1095	− 31	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 146.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	17	10 more	105	− 9	18·2*	− 4·3	22	−11	18	− 8	629	+ 32	32	+ 2
	1. SCOTLAND EAST	5	13	8 more	83	− 8	10·6	− 2·7	37	− 8	31	− 6	710	+ 68	36	+ 3
	2. ENGLAND, N.E.	2	2	2 less	86	+ 1	10·6	− 0·2	50	+16	42	+13	735	+110	34	+ 5
	3. ENGLAND, EAST	1	less than ½	5 less	77	− 7	8·3	− 2·4	56	+10	49	+ 8	821	+ 79	38	+ 3
	4. MIDLAND COUNTIES	1	less than ½	5 less	66	−16	8·4	− 3·9	61	+21	53	+18	802	+143	37	+ 7
	5. ENGLAND, SOUTH	2	1	3 less	65	−16	7·5	− 4·4	60	+16	52	+14	853	+ 85	38	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	6	2 less	85	−12	11·0	−11·1	47	+ 3	40	+ 3	752	+ 65	34	+ 3
	7. ENGLAND, N.W.	2	1	5 less	74	−15	10·3	− 3·5	56	+23	48	+19	699	+115	36	+ 5
	8. ENGLAND, S.W.	1	1	5 less	69	−23	11·9	− 5·1	65	+14	57	+11	983	+181	45	+ 9
	9. IRELAND, NORTH	5	5	1 less	94	− 9	11·4	− 3·8	53	+18	45	+15	771	+119	36	+ 6
	10. IRELAND, SOUTH	1	1	5 less	78	−19	13·2	− 4·4	57	+17	51	+15	807	+ 48	37	+ 2
	—CHANNEL ISLANDS	2	1	4 less	83	−16	10·6	− 3·6	58	+ 4	52	+ 4	1030	+132	49	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week was unsettled in the extreme north and north-west, with heavy rain in the north and east of Scotland, and frequent but slight falls in the north of Ireland and the west of Scotland. Elsewhere the conditions continued generally fine, although a little rain fell in most places about the middle of the week. Thunderstorms prevailed in various parts of Scotland on the 19th, that experienced in the neighbourhood of Crieff being accompanied by very heavy hail.

Temperature slightly exceeded the mean in the Channel Islands, but was below it elsewhere, the deficit ranging from 1° to 3°. The highest of the maxima were registered on the 22nd, and ranged from 78° in England N.E. and S, and 77° in England E. and the Midland Counties to 67° in Scotland N. The lowest of the minima were recorded, as a rule, on the 16th, when the sheltered thermometer fell to 36° in England S.W. (at Llandovery), to 31° in Scotland W. (at Glenlee), and to between 34° and 38° in all other districts excepting the Channel Islands, where the lowest reading was 48°. A ground frost was experienced in most inland districts during the early morning of the 16th, and again at some stations later in the week.

Rainfall considerably exceeded the mean in the north and east of Scotland, but was less in all other districts. Over England and the south of Ireland the fall was extremely slight.

Bright Sunshine was less than the mean in Scotland N. and E., but again exceeded it in all other districts. The percentage of the possible duration ranged from 57 in England S.W., 53 in the Midland Counties, and 52 in England S. and the Channel Islands, to 31 in Scotland E. and 18 in Scotland N.

Barometer and Wind.—At the commencement of the week the distribution of pressure over our Islands was mainly anticyclonic and the wind Westerly to North-Westerly, but a depression over Denmark somewhat affected the winds and weather in the north and north-east. By the 18th, however, the barometer had fallen decidedly, and a large shallow area of low pressure, having several minute minima, covered the whole Kingdom, France, and the Bay of Biscay. The conditions, accompanied by Northerly winds in the west and Easterly breezes both in the north of Scotland and south of England, continued during the following day, when the barometer began to rise, and an anticyclone moved gradually towards us from the southward. The winds consequently shifted to the South-Westward and continued so until the end of the period.

697 1|90 W. & S., Ltd.
213 70 6|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 145 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	41	54·1	45·7	49·6	− 0·4	53	0	6	1·35	+0·87	*	*	*	*
	Stornoway	59	39	56·4	43·9	49·7	− 2·6	54	0	4	1·81	+1·12	30·0	−11·0	24	− 8
	Wick	67	40	58·1	45·3	51·3	− 1·4	65	0	4	0·60	+0·18	*	*	*	*
	Glencarron S	67	37	55·1	41·6	47·9	− 4·6	43	1	6	2·41	+1·18	*	*	*	*
	Fort Augustus S	65	37	57·8	41·6	49·2	− 5·5	52	1	5	2·38	+1·84	14·1	?	11	?
	Fort William S	64	40	57·8	43·0	49·9	− 5·4	55	0	5	1·63	+0·65	21·9	?	18	?
1. SCOTLAND, E.	Nairn	66	36	60·3	42·7	50·9	− 4·6	62	0	5	1·86	+1·44	*	*	*	*
	Aberdeen	74	39	59·4	45·3	51·9	− 2·8	69	0	5	1·19	+0·77	36·5	− 8·2	30	− 6
	Braemar S	65	35	56·1	39·6	47·3	− 5·2	47	7	5	1·76	+1·18	30·2†	?†	25†	?†
	Ochtertyre S	70	39	63·0	44·3	53·0	− 2·2	77	0	4	1·54	+0·89	*	*	*	*
	Leith	74	38	63·9	44·1	53·3	− 2·8	79	0	5	0·99	+0·54	*	*	*	*
	Marchmont S	73	38	61·3	44·6	52·4	− 2·1	73	0	3	0·54	−0·07	44·5	?	37	?
2. ENGLAND, N.E.	Alnwick Castle	71	42	61·3	45·1	52·6	− 1·7	74	0	2	0·55	+0·07	*	*	*	*
	Durham	78	37	67·4	41·5	53·5	− 2·5	83	1	3	0·10	−0·36	60·0	+23·0	50	+18
	Shields	74	41	62·3	44·0	52·5	− 2·8	74	0	3	0·42	0·00	*	*	*	*
	Scarborough M	75	44	64·8	48·9	56·3	+ 0·2	100	0	3	0·11	−0·36	*	*	*	*
	York	74	39	66·4	44·3	54·6	− 3·1	88	0	2	0·06	−0·46	47·0	+ 8·2	40	+ 8
	Spurn Head	72	47	61·6	49·9	55·3	− 1·2	93	0	1	0·05	−0·31	*	*	*	*
3. ENGLAND, E.	Hillington M	75	38	68·9	44·5	55·9	− 1·8	97	0	1	0·01	−0·51	56·3	+12·5	48	+ 9
	Yarmouth	67	45	61·7	49·3	55·1	− 1·8	92	0	1	0·01	−0·46	*	*	*	*
	Geldeston	75	41	67·5	44·8	55·4	− 1·9	94	0	1	0·02	−0·36	51·8	+ 3·7	45	+ 2
	Cambridge	77	43	72·0	46·3	58·3	− 0·3	114	0	1	0·02	−0·51	57·4	+13·6	50	+12
	Rothamsted	73	41	69·8	45·2	56·6	− 1·0	102	0	1	0·07	−0·46	60·9	?	52	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	76	36	68·0	43·9	55·1	− 2·6	92	0	1	0·02	−0·51	*	*	*	*
	Loughborough	75	34	69·9	43·0	55·5	− 3·7	95	0	1	0·04	−0·48	*	*	*	*
	Stamford (Ketton Hall)	75	37	70·6	42·9	55·9	− 2·7	97	0	0	—	−0·46	*	*	*	*
	Cheadle M	74	38	65·5	43·9	54·3	− 1·1	86	0	1	0·10	−0·58	*	*	*	*
	Solihull	74	39	69·0	43·7	55·3	− 2·6	93	0	0	—	?	*	*	*	*
	Churchstoke M	72	34	67·7	39·9	52·8	− 2·9	84	6	1	0·01	−0·49	67·4	+26·6	52	+22
	Hereford M	77	37	72·5	42·1	56·1	− 2·1	99	0	0	—	−0·50	*	*	*	*
	Cirencester	72	37	70·0	44·1	56·1	− 0·6	99	0	0	—	−0·57	72·5	+30·0	63	+25
	Oxford	74	43	70·7	47·9	58·5	+ 0·2	116	0	0	—	−0·52	66·0	+23·0	57	+19
5. ENGLAND, S.	London	77	42	72·1	47·4	58·9	− 1·2	118	0	2	0·15	−0·35	57·5†	+18·3†	50†	+15†
	North Foreland	74	44	64·4	51·0	57·2	0·0	106	0	2	0·05	?	*	*	*	*
	Strathfield Turgiss M	78	38	73·6	43·6	57·7	− 0·9	110	0	3	0·20	−0·28	*	*	*	*
	Dungeness	66	38	64·6	49·1	56·3	− 2·1	100	0	1	0·01	−0·37	*	*	*	*
	Hastings (St. Leonards)	70	46	65·6	50·9	57·7	− 0·7	110	0	2	0·02	−0·38	68·0	+18·1	60	+15
	Southampton	76	41	71·9	48·6	59·4	+ 0·2	122	0	2	0·17	−0·24	58·6	+11·8	57	+ 9
	Hurst Castle	68	41	65·9	48·3	56·5	− 2·0	102	0	2	0·11	−0·36	*	*	*	*
	Stowell M	69	38	67·5	44·9	55·4	− 2·4	94	0	1	0·11	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	64	37	59·9	43·0	50·9	− 4·2	62	0	5	0·76	−0·41	*	*	*	*
	Glasgow	69	42	61·3	45·0	52·6	− 2·8	74	0	4	1·33	+0·08	33·4	− 3·5	28	− 3
	Ardrossan	62	43	58·1	47·4	52·4	− 3·7	73	0	4	0·37	−0·21	*	*	*	*
	Glenlee S	72	31	62·9	41·2	51·3	− 3·4	68	2	5	0·43	−0·35	*	*	*	*
	Douglas (Isle of Man)	66	41	62·7	44·4	52·9	− 2·5	76	0	2	0·07	−0·44	61·3	+11·3	52	+ 9
7. ENGLAND, N.W.	Stonyhurst	70	40	62·8	44·7	53·1	− 3·4	78	0	3	0·14	−0·63	65·9	+25·9	56	+20
	Blackpool M	69	38	63·4	44·7	53·4	− 3·4	80	0	2	0·09	−0·40	59·5	+19·5	50	+14
	Manchester (Prestwich)	72	36	63·7	42·6	52·4	− 4·3	73	0	0	—	−0·79	43·7	?	37	?
	Liverpool Obsy. (Bidston)	70	45	62·6	48·6	55·1	− 2·6	92	0	1	0·01	−0·47	*	*	*	*
	Llandudno M	69	45	62·3	48·7	55·0	− 2·7	91	0	2	0·13	−0·39	68·4	+27·8	58	+24
	Holyhead	64	47	60·0	48·4	53·8	− 2·9	83	0	2	0·07	−0·49	*	*	*	*
8. ENGLAND, S.W.	Llandovery	75	30	71·6	37·9	53·6	− 4·0	98	11	2	0·11	−0·59	*	*	*	*
	Pembroke	62	46	60·0	49·7	54·5	− 1·6	88	0	0	—	−0·45	78·7	+24·8	68	+21
	Bristol (Montpelier)	74	43	71·1	48·0	58·8	+ 0·4	118	0	1	0·01	−0·51	*	*	*	*
	Arlington (N. Devon)	68	37	64·9	43·9	53·7	− 2·2	82	0	1	0·00	−0·71	*	*	*	*
	Cullompton M	74	37	70·4	44·1	56·3	− 1·5	100	0	1	0·02	−0·55	55·8	+11·5	49	+10
	Falmouth	71	45	64·9	50·7	57·3	− 0·4	107	0	1	0·07	−0·55	56·5	+ 4·0	50	+ 3
	Plymouth	67	41	64·7	47·1	55·3	− 4·3	93	0	2	0·27	−0·21	61·3	+14·6	54	+12
	Prawle Point	66	44	62·7	49·7	55·8	− 0·4	97	0	3	0·19	−0·19	*	*	*	*
9. IRELAND, N.	Malin Head	64	47	58·1	48·7	53·1	− 2·4	78	0	5	0·59	?	*	*	*	*
	Londonderry	72	40	64·0	45·8	54·3	− 2·5	86	0	6	1·32	+0·72	*	*	*	*
	Edenfel (Omagh)												*	*	*	*
	Belmullet	64	45	60·4	48·9	54·2	− 1·3	85	0	5	0·42	?	*	*	*	*
	Markree Castle	70	37	61·9	40·9	51·1	− 3·7	68	3	5	0·31	−0·46	54·3	+19·0	46	+16
	Brookeborough	71	34	64·4	42·4	52·6	− 2·6	74	0	4	0·27	−0·42	*	*	*	*
	Armagh	71	36	65·4	44·0	54·0	− 2·9	84	0	5	0·20	−0·32	56·1	+17·4	48	+15
	Donaghadee	71	40	61·0	44·1	52·0	− 3·5	70	0	6	0·67	+0·20	*	*	*	*
	Edgeworthstown	71	38	65·1	41·4	52·4	− 3·3	75	2	4	0·56	−0·15	*	*	*	*
10. IRELAND, S.	Dublin	75	44	65·6	48·5	56·4	− 1·5	101	0	4	0·11	−0·32	64·4	+22·8	55	+20
	Parsonstown	73	38	67·0	43·9	54·7	− 1·7	89	0	1	0·08	−0·49	55·3	+16·1	48	+14
	Kilkenny	74	41	67·1	44·3	54·9	− 1·9	90	0	1	0·05	−0·46	*	*	*	*
	Roche's Point	69	45	64·4	50·1	56·8	− 1·1	104	0	0	—	−0·72	*	*	*	*
	Valencia	66	41	63·1	46·6	54·3	− 2·4	86	0	2	0·03	−0·76	36·7	+12·0	49	+10
	Killarney	69	38	65·0	43·8	53·6	− 2·6	81	0	0	—	?	*	*	*	*
	Foynes	70	43	65·7	49·4	57·0	+ 0·4	105	0	1	0·12	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	67	51	63·4	54·3	58·5	+ 1·0	116	0	1	0·08	−0·37	53·4	?	47	?
	Jersey	73	48	67·6	53·1	59·9	+ 1·0	125	0	2	0·15	−0·32	57·8	+ 3·8	52	+ 4

Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

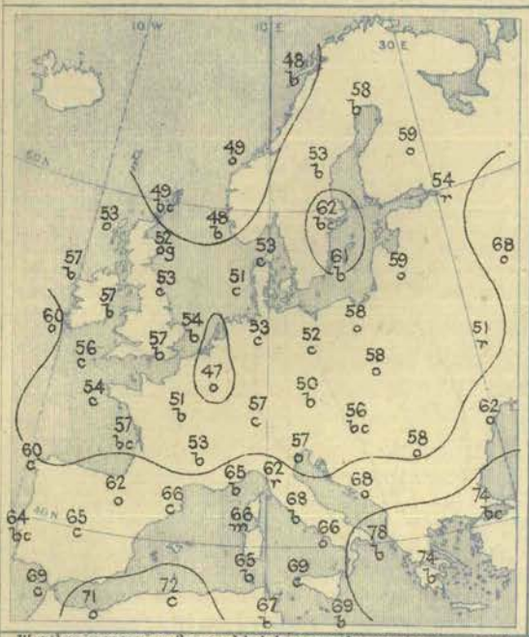
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Wesleyan Training College Westminster. For additional Reports of Sunshine see last page.

Sunday, 16th June.

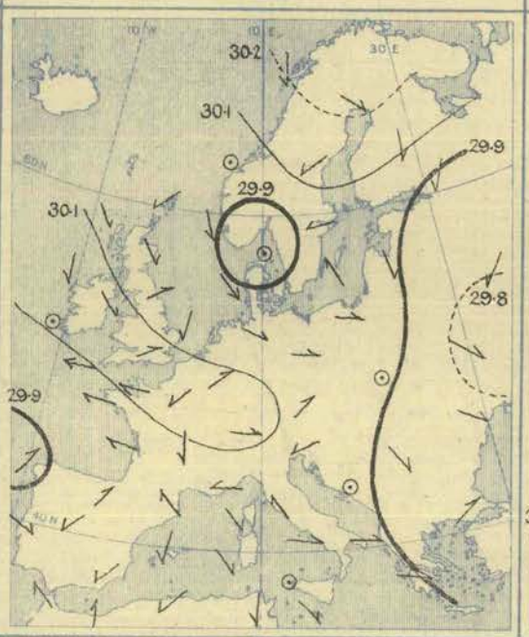
Temperature and Weather.

8 a.m.

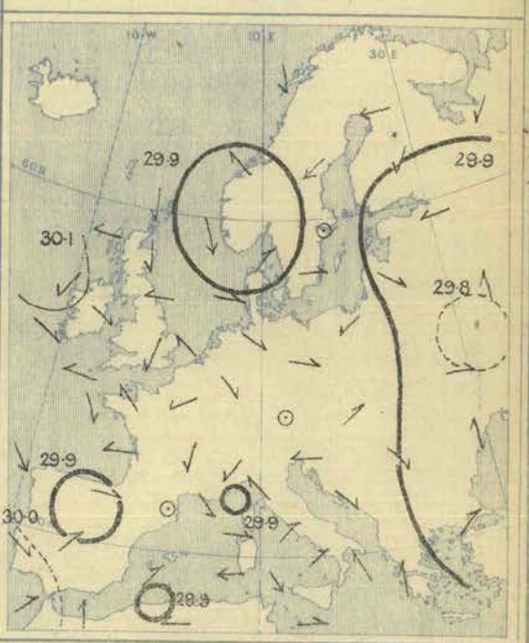


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of England, Ireland, and France, as well as in Sweden, Turkey, and Greece. Cloudy or overcast in most other countries, with rain at Faerder, St. Petersburg, and Kiev, as well as in northern Italy. Rain falling later over the northern parts of Scotland, Sweden, and Russia, heavily in Finland; thunderstorms occurring in Algeria and also at Biarritz, Moscow, and Constantinople.

Temperature risen over the greater part of our Islands, Scandinavia, and Denmark, but changed irregularly elsewhere. Morning readings highest, 78° at Brindisi, 74° at Athens, Patras, and Constantinople, and 73° at Barcelona and Palma; above 65° over southern Europe generally and also over central Russia. Lowest, 47° at Brussels, 48° at Bodö and Skudesnaes, and 49° at Christiansund, Faerder, and Sumburgh Head; below 55° at many of our own northern and eastern stations, as well as over central Europe. Rising during day to between 70° and 73° over the inland parts of England, but remaining below 60° on many parts of our west, north, and east coasts. Exceeding 75° in many parts of southern Europe, and reaching 84° at Cagliari and Palermo.

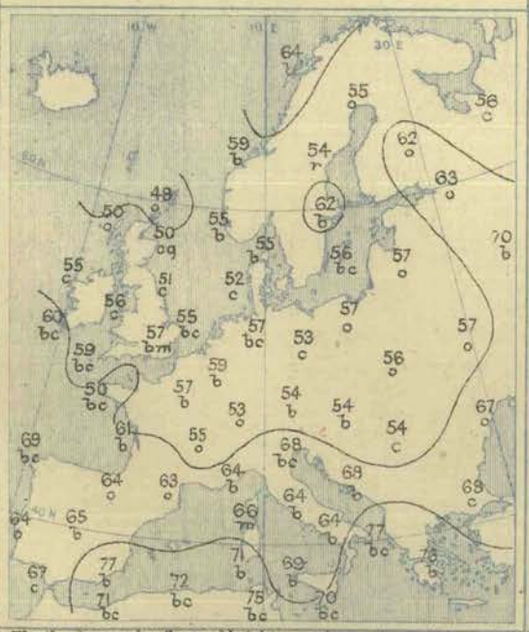
Wind light from the North-Westward over the northern and eastern parts of our Islands, and fresh or strong from the same quarter on the eastern shores of the North Sea; light from the Westward in Germany; Easterly or North-Easterly over Sweden and northern Russia. South-Westerly in the north of Spain; Easterly over France and the western parts of the English Channel. Variable over Austria, Italy, and the Mediterranean. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the north of Scandinavia, 30·1 ins. and upwards in another system stretching from the Atlantic across Ireland and England to central France and south Germany. Lowest, 29·8 ins. and less in a shallow depression over the southern parts of Russia; 29·9 ins. and less in two other disturbances, one lying over Denmark and the south of Norway and the other over the north-west of Spain. Russian and Danish depressions both moving north-westwards later; Spanish depression advancing eastwards. Anticyclonic system over our Islands and France gradually breaking up.

Monday, 17th June.

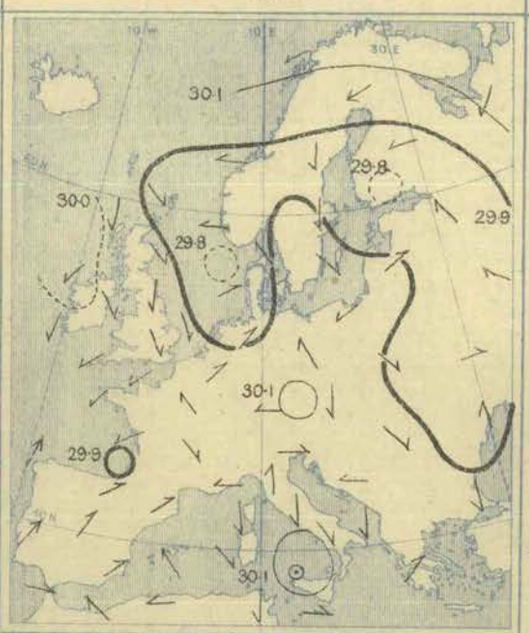
Temperature and Weather.

8 a.m.

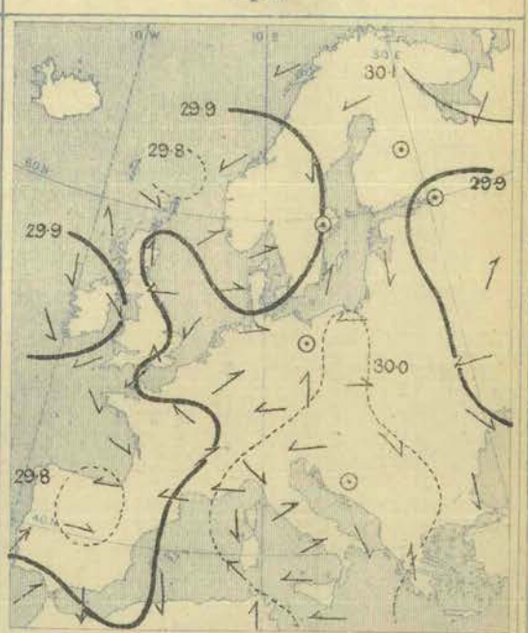


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of western, central, and southern Europe, but dull over Scotland and the north of Ireland, as well as on the Portuguese coasts. Dull over Russia and the northern parts of Sweden, with rain at Ulcaborg and Hernösand. Rain falling later over Scotland and the north of Ireland (heavily in places), as well as in Denmark and north Germany. Thunderstorms occurring at Karlstad, Lyons, and Bordeaux, and lightning seen at Biarritz.

Temperature risen in France and the extreme south of our Islands, as well as in Norway and Russia, changed irregularly elsewhere. Morning readings highest, 77° at Brindisi, 76° at Athens and Patras, and 75° at Tunis; above 65° in most parts of southern Europe, and as high as 64° at Bodö and 62° at Kuopio and Stockholm. Lowest, 48° at Sumburgh Head, 50° at Stornoway and Aberdeen, and 51° at Shields and Malin Head; below 55° over the northern parts of our Islands generally. Rising during day to between 65° and 70° at several of the English and Irish stations, but remaining below 55° on some parts of our north and north-east coasts. Exceeding 75° in most of the southern countries, and reaching 86° at Palma.

Wind light to moderate from the Northward or North-Westward over all the more northern and eastern parts of our Islands, from the South-Westward in Denmark, and from the Eastward over Norway and the northern parts of Sweden and Russia. Easterly or North-Easterly on our own extreme south and south-west coasts, and also over the greater part of France, but Southerly or South-Westerly over the Spanish Peninsula. Light and variable over Germany, but chiefly Northerly over Poland, Austria, and Italy. Subsequently shifting to the Southward over Scotland and to the Eastward over the eastern parts of England.

Barometer highest, 30·1 ins. and upwards over the extreme northern parts of Russia and Scandinavia; 30·0 ins. and upwards in a large area covering the more central parts of Europe and the Mediterranean, as well as in a smaller system off our extreme north-west coasts. Lowest, 29·8 ins. and less in two depressions, one lying over the south-west of Finland, and the other over the eastern parts of the North Sea; 29·9 ins. and less in a shallow system over the south-west of France. New disturbance forming later in the neighbourhood of the Shetlands; barometer falling generally, and distribution of pressure becoming very complex.

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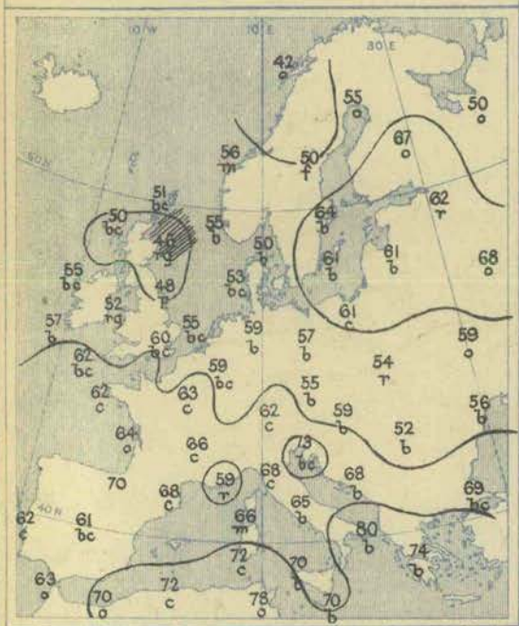
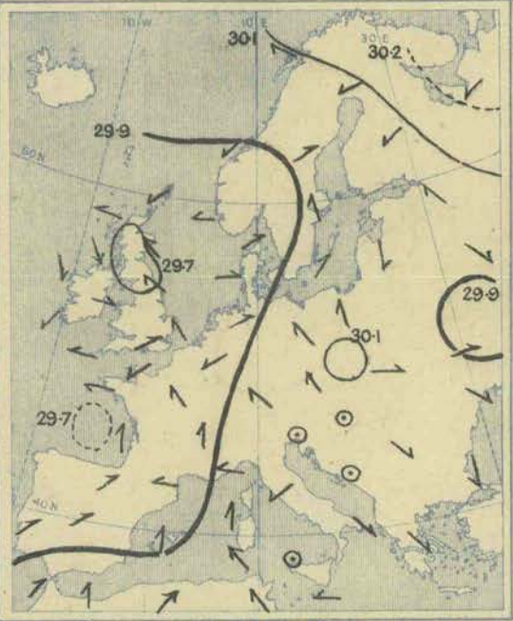
Tuesday, 18th June.

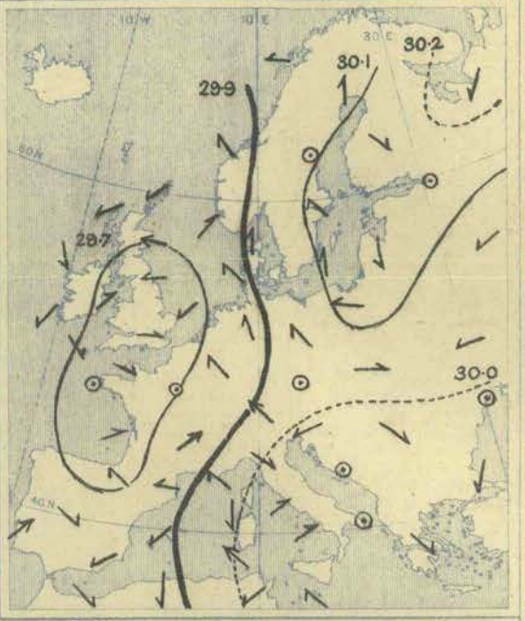
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the southern parts of the United Kingdom, as well as over the greater part of central and southern Europe. Rainy at several of our own northern stations, dull in France, with rain at Nice, dull also over the greater part of Russia, with rain at St. Petersburg, as well as at Lemberg. Showers falling during day over the northern parts of Ireland and England, and rain setting in at night over the south-east of England. Thunderstorms or thunder only occurring at Aberdeen, Jersey, the Helder, and many of the French stations, with heavy rain at Paris and Charleville. Rain falling also in Spain.

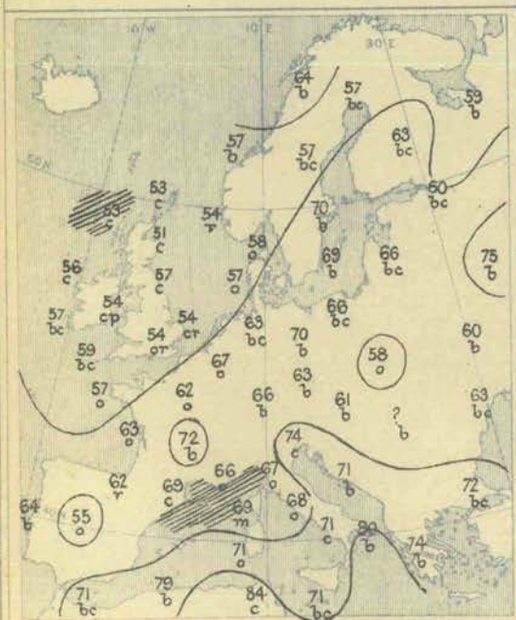
Temperature fallen in the northern parts of our Islands and also over the Spanish Peninsula, risen in most other localities. Morning readings highest, 80° at Brindisi, 78° at Tunis, 74° at Patras, and 73° at Trieste, Palma, and Athens, above 65° in most parts of southern Europe, and also in some parts of Finland and central Russia. Lowest, 42° at Bodö, 46° at Nairn and Aberdeen, and 48° at Leith and Shields; below 55° in the northern parts of our Islands generally. Rising during day to between 70° and 74° at several of our own southern stations, but remaining below 55° on many parts of our north and north-west coasts.

Wind light to moderate from the Eastward in Norway, and from the same quarter or from South-East in Scotland, Northerly or North-Westerly in Ireland, light from the Westward or South-Westward over Wales and the northern and central parts of England. South-Westerly over the Spanish Peninsula and south of France, but light from the Eastward or North-Eastward over the Channel and north of France. South-Westerly in Denmark; South-Easterly in Germany. Variable in Russia and Austria, chiefly North-Westerly in Italy. Subsequently shifting to the Westward over the English Channel: no important change occurring elsewhere.

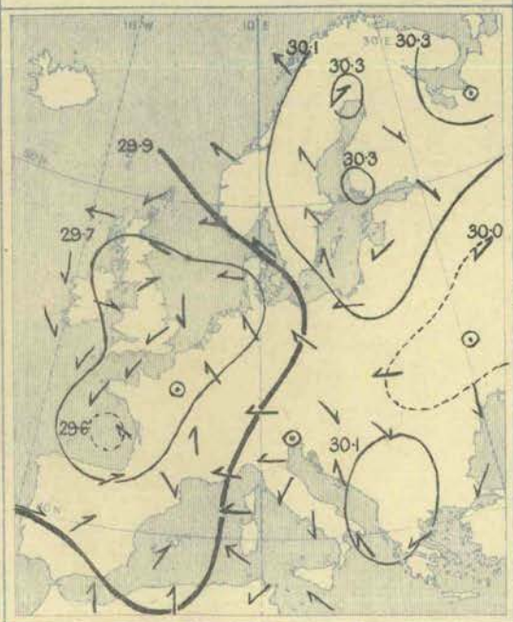
Barometer highest, 30·2 ins. and upwards in the extreme north of Russia; 30·0 ins. and upwards over the Baltic Provinces, Poland, Austria, Italy, and the greater part of south-eastern Europe. Lowest, 29·7 ins. and less in two shallow depressions, one lying over Scotland and the other over the Bay of Biscay. Large complex area of low pressure developing later over England and France, and barometer falling at all but our extreme northern stations.

Wednesday, 19th June.

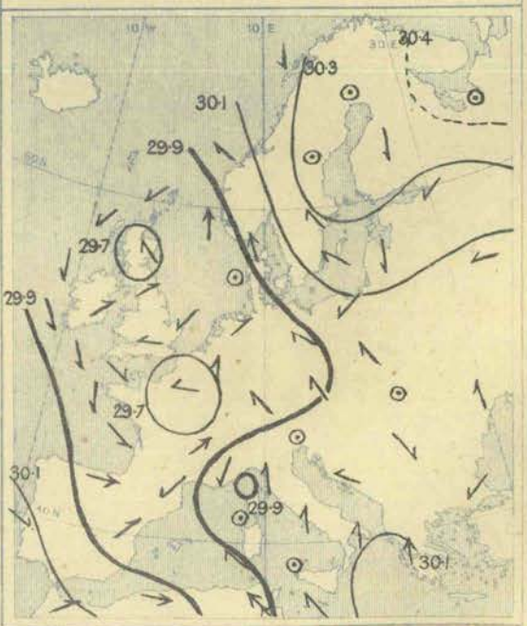
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the east and south-east of England, as well as at Wick and Skudenaes, cloudy over Denmark, France, and the northern parts of Spain and Italy, with rain at Biarritz. Fine in nearly all other parts of Europe, but showery at one or two of our own western stations. Weather clearing later over England, but thunderstorms occurring in Scotland and heavy rain falling at Stornoway. Considerable quantities of rain reported in France, Belgium, western Germany, and northern Italy, with thunderstorms in places.

Temperature fallen in the south of our Islands and the north and west of France, but risen in most other localities. Morning readings highest, (1) 84° at Tunis, 80° at Brindisi, 79° at Algiers; (2) 75° at Moscow; (3) 70° at Stockholm and Memel; above 65° at many of the Continental stations. Lowest, 49° at Nairn and Donaghadee, 50° at Wick, and 51° at Aberdeen, York, Loughborough, Ardrossan, and Malin Head. Rising during day to between 65° and 69° over the central and southern parts of England, but remaining below 65° on many parts of our western, northern, and eastern coasts. Exceeding 80° in Germany, Italy, and the south of France, and reaching 95° at Palermo.

Wind light to moderate from the Eastward or North-Eastward in Scotland, and from the Northward over Ireland, the southern parts of England and the north of France, but variable on our north-east coasts. Westerly or South-Westerly over Spain and the south-west of France; Southerly over central France and the Netherlands. South-Easterly or Easterly over Germany, Denmark, and Scandinavia. Light from the North-Westward in Finland; variable over the central and southern parts of Russia, as well as in Austria and Italy. Becoming rather variable later in the south of England; veering to the Southward in the south of Scandinavia.

Barometer highest, 30·2 ins. to 30·4 ins. in an anticyclone over the northern parts of Sweden and Russia. Lowest, 29·7 ins. and less in a large complex depression covering the greater part of our Islands, France, the Netherlands, and the North Sea. Depression beginning to fill up gradually during day, and barometer rising slowly at all but our extreme northern stations.

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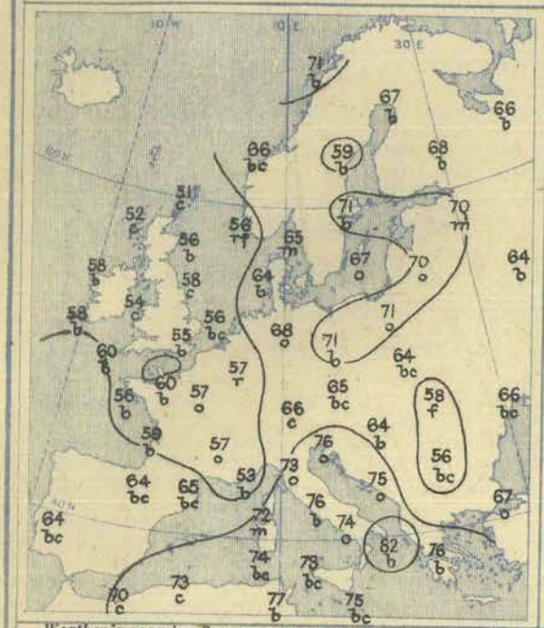
Thursday, 20th June.

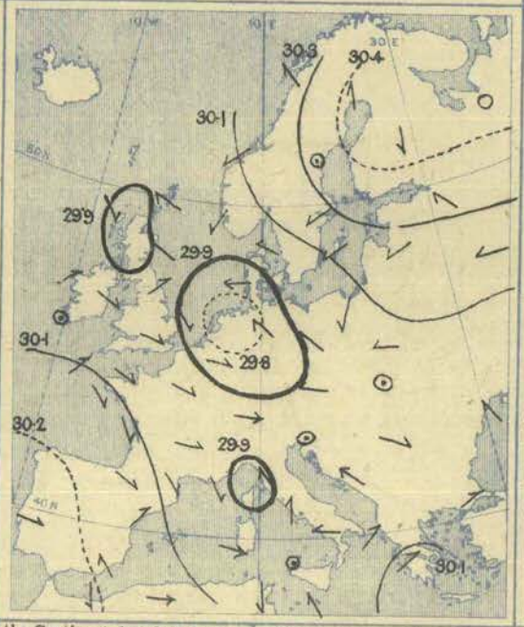
Temperature and Weather.

8 a.m.

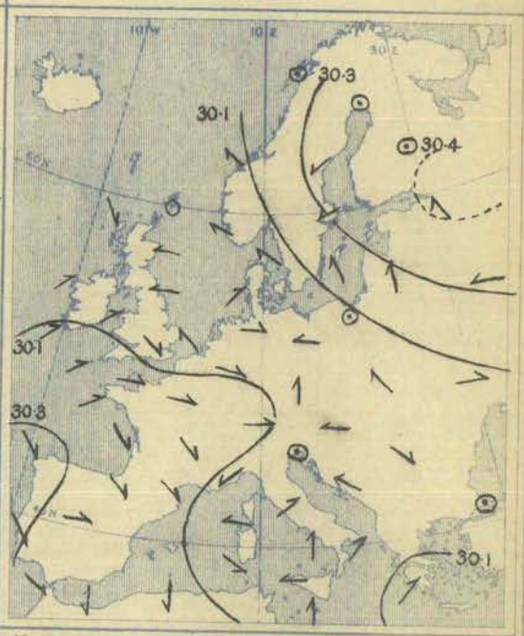


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull in the Netherlands, western Germany, and central France, with rain at Brussels. Dull also over the Baltic Provinces; rain and fog reported at Skudesnaes; thunder at Nice. Showers falling later in several parts of western Europe. Thunderstorms occurring at the North Foreland at Fanö, and in many parts of Germany, Austria, and the extreme south of France. Thunder only reported at Malin Head and the Helder. Heavy rain (1·6 in.) falling at Munich.

Temperature risen over our Islands and northern Europe generally, as well as in Italy, changed irregularly elsewhere. Morning readings highest 82° at Brindisi, 77° at Tunis and Sfax, and 76° at Trieste and Rome. A little above 70° in several parts of southern and south-eastern Europe, as well as over the Gulf of Finland and some parts of Scandinavia. Lowest (1) 51° at Sumburgh Head, 52° at Stornoway, and 54° at Nairn, Donaghadee, and Pembroke; (2) 53° at Nice, and 57° at Paris and Lyons. Rising during day to 65° and upwards in several parts of our Islands, and to 70° at the inland stations over England. Exceeding 80° over central and south of Europe, and reaching 90° at Palermo.

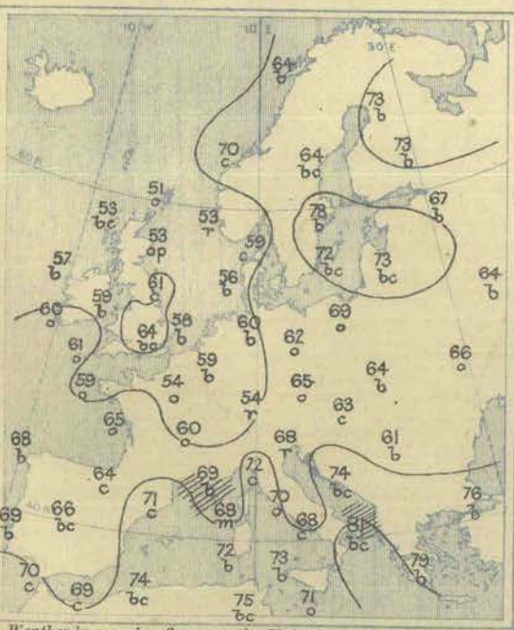
Wind light to moderate from the North-Westward over the greater part of England and France, but South-Easterly in Germany, and Easterly over Denmark, the Baltic and the southern parts of Scandinavia, cyclonic circulation of light winds reported over Scotland; light Westerly breezes in the north of Ireland; calm or variable over Austria and the south of Russia; chiefly Southerly in Italy; Westerly over the greater part of Spain. South-Westerly breezes setting in later over the western parts of the United Kingdom generally. No important change occurring elsewhere.

Barometer highest 30·4 ins. and upwards in an anticyclone lying over the northern parts of Sweden and Russia; 30·2 ins. and upwards in another system over the western parts of the Spanish Peninsula. Lowest, 29·8 ins. in a shallow, but well marked depression over the Netherlands, 29·9 ins. and less in a still shallower system over Scotland. Both depressions filling up gradually during day, barometer rising over western Europe generally, and Spanish high-pressure system spreading northwards.

Friday, 21st June.

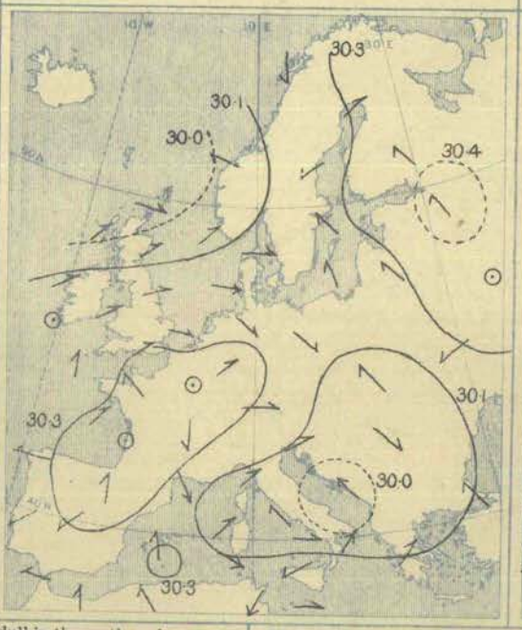
Temperature and Weather.

8 a.m.

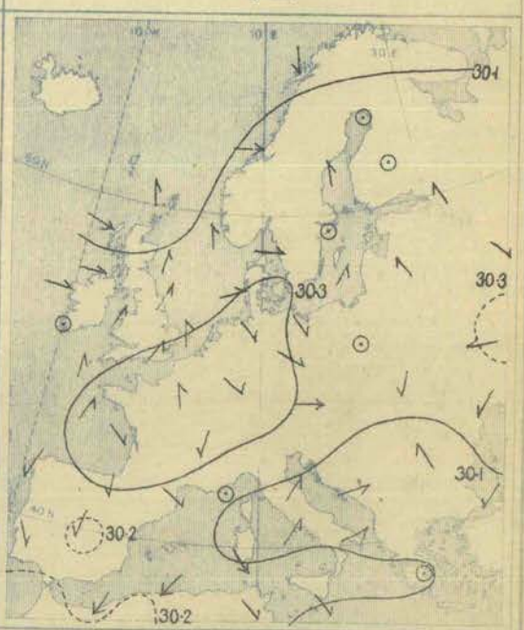


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the United Kingdom generally, but dull in the south and east of Scotland. Dull over the English Channel, France, northern Italy, and some parts of Germany and Austria, with rain at Munich and Trieste, fine in most other parts of the Continent, but cloudy in the south of Norway, with rain at Skudesnaes. A little rain falling later over the northern and extreme southern parts of the United Kingdom, and wet fog setting in at the mouth of the Channel. Heavy rain again reported at Munich and also over northern Italy; thunderstorms occurring at Karlstad, Kuopio, Klagenfurt, and Nice.

Temperature changed very irregularly. Morning readings highest, (1) 81° at Brindisi, 79° at Athens, and 76° at Palma; above 70° over the Mediterranean and Adriatic generally, as well as over Finland and the Baltic, and as high as 78° at Stockholm. Lowest, (1) 51° at Sumburgh Head, and 53° at Skudesnaes, Stornoway, and Aberdeen; (2) 53° at Munster and 54° at Munich. Rising during day to 70° and upwards at many of the central stations in England and Ireland, and reaching 75° in London and 77° at Cambridge. Exceeding 80° in most parts of southern Europe, and reaching 88° at Oporto.

Wind light to moderate from the Southward or South-Westward over the greater part of our Islands, but Southerly or South-Easterly on our extreme south-west coasts and also in the north-west of France. Westerly in Denmark and North-Westerly in Germany, but South-Easterly over the Baltic, Finland, and the greater part of Scandinavia. Variable over Italy and the Mediterranean, Easterly or North-Easterly over the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·3 ins. to 30·4 ins. in an anticyclone over France, western Germany, and the eastern parts of the English Channel, as well as in another system over northern and central Russia. Lowest, 30·0 ins. and less in a large shallow area lying to the northward of our Islands, and also in a rather well-marked depression over the Adriatic. No important change occurring over western Europe during day, but anticyclone over Russia giving way gradually.

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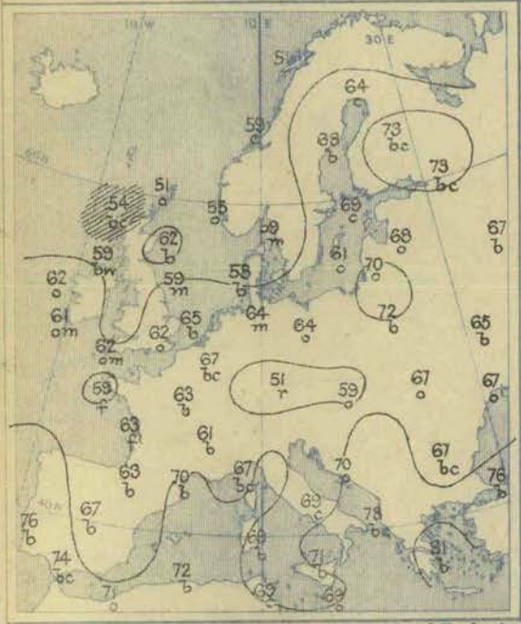
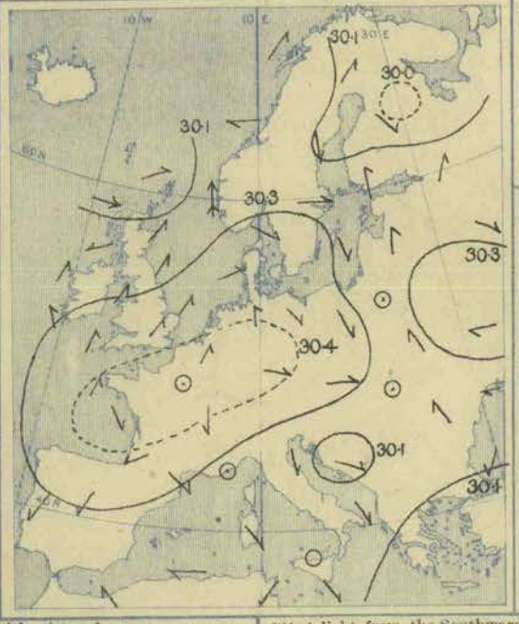
Saturday, 22nd June.

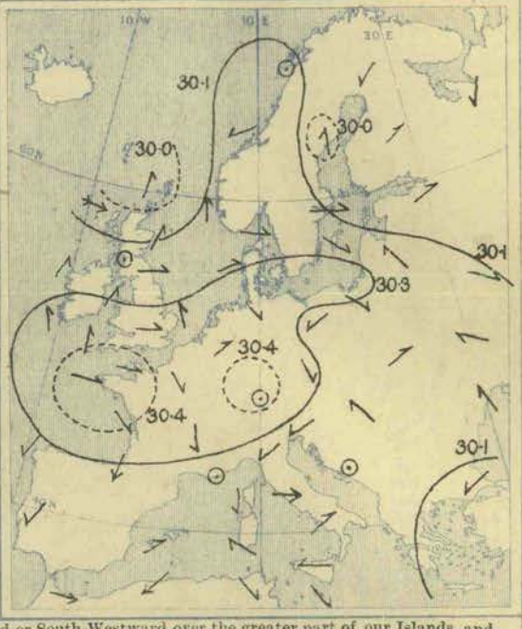
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy or dull over Ireland and England, with mist or fog on many parts of our western and southern coasts. Fine in Scotland as well as at most of the Continental stations, but dull in some parts of Germany, with rain at Munich. Sky clearing later in many parts of England, but a little rain falling at several of our western and northern stations, and a considerable quantity at Sumburgh Head and Bodö. Thunderstorms occurring over Finland, the extreme south of France, and at Buda Pesth.

Temperature risen in Ireland and Scotland; fallen several degrees in Scandinavia; changed irregularly elsewhere. Morning readings highest 81° at Oporto and Athens; 79° at Patras; 78° at Brindisi, and 76° at Lisbon and Constantinople; above 70° at most of the Mediterranean, Adriatic and Spanish coast stations, as well as in Finland. Lowest (1) 51° at Bodö and Sumburgh Head, and 54° at Stornoway; (2) 51° at Munich. Rising during day to between 70° and 75° in many parts of our islands, and reaching 77° in London. Exceeding 89° over southern Europe as a whole, and rising to 92° at Croisette and Lisbon.

Wind light from the Southward or South-Westward over the greater part of our Islands, and also on the eastern shore of the North Sea, but Westerly in the extreme north of Scotland, and strong in force in the Hebrides. Northerly or North-westerly at most of the Swedish stations, as well as over eastern Germany; but light from the Southward over the Baltic Provinces. Rather variable, but chiefly Northerly, in Italy; Easterly or North-Easterly over the Spanish Peninsula and the south of France. Subsequently increasing to a fresh gale from the Westward in the Hebrides; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards in an anticyclone lying over Belgium, western Germany, and all the more northern parts of France; 30·3 ins. and upwards in another system over the south of Russia. Lowest, 30·0 ins. and less in a small depression over Finland; 30·1 ins. and less in a large shallow area lying to the northward of our Islands, and also in another system over Turkey and Asia Minor. Well-marked depression subsequently approaching Scotland from the north-westward, and barometer falling rather decidedly in the Shetlands.

GENERAL NOTES.

The anticyclone which was formed over our Islands at the close of the previous week soon dispersed. Shortly after the commencement of the present period a large and complex area of low pressure with several distinct minima was gradually developed over our Islands and France, the winds being rather variable, but mostly from the Eastward on our northern coasts, and from the Northward in the west and south. The two most important minima were found respectively over Scotland and over the Bay of Biscay, and France, and, in these regions, thunderstorms and heavy rain were very general during the middle portion of the week. Over England and Ireland, however, the showers were only partial, some of our south-western stations escaping without any measureable quantity of rain.

After the 19th the low pressure area gradually dispersed, while a large anticyclone spread over the greater part of western Europe from the south-westward. South-Westerly and Westerly winds now set in over our Islands, with fair weather in the more central districts, but with a little rain in the north and extreme south. On the 22nd a rather well-marked depression skirted the north of Scotland, and occasioned strong Westerly winds in that region, with a gale in the Hebrides.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 146.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	37·9	?	31	?	EASTBOURNE	65·9	?	58	?
OSWALDKIRK (Yorkshire)	43·6	?	37	?	MANCHESTER (Oldham Road)	43·5*	?	37*	?
WORKSOP	43·3	+ 7·7	37	+ 7	TENBY	74·0*	?	64*	?
THURCASTON (Leicestershire)	56·2	+19·8	48	+16	NEWQUAY	63·0	?	56	?
MARGATE	45·2	?	40	?	TORQUAY	64·8*	?	57*	?
WESTBOURNE (Sussex)	57·7*	?	51*	?	ARLEY COTTAGE (County Cavan)	48·4	?	41	?
BRIGHTON	64·3	?	56	?	GUERNSEY	63·7*	?	57*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
Mar. 16th, 1895	Scarborough	57	31	50·2	36·0	42·9	+ 2·2	32	17	0	—	- 0·42	—	—	—	—
,, 30th, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	24·1	?	28	?
April 13th, ,,	Manchester (Oldham Road)	—	—	—	—	—	—	—	—	—	—	—	37·6	?	40	?
,, 27th, ,,	Churchstoke	62	41	54·5	43·3	48·6	+ 3·1	46	0	6	1·49	+1·07	21·9	- 13·1	22	- 13
May 4th, ,,	Edenfel	64	33	57·9	37·7	47·2	0·0	54	12	2	0·27	- 0·21	—	—	—	—
,, 11th, ,,	Killarney	72	32	64·5	41·6	52·4	+ 2·2	74	1	0	?	?	—	—	—	—
,, 25th, ,,	Glencarron	66	36	58·9	42·0	49·9	+ 1·9	55	0	4	1·52	+0·43	—	—	—	—
,, ,, ,,	Ochtertyre	70	39	65·1	41·7	53·0	+ 3·7	78	1	5	0·84	+0·28	—	—	—	—

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 26.] *Third Series.* WEEK ENDING SATURDAY, JUNE 29TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 152.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	78	42	64·3	49·1	56·2	3 above	99	+30	0	− 1	741	+103	811	+232
	1. SCOTLAND, EAST	81	37	68·3	49·1	58·1	3 above	113	+22	0	0	856	+ 3	988	+415
	2. ENGLAND, N.E.	81	40	68·6	51·8	59·6	3 above	123	+25	0	0	910*	+ 51	783	+277
	3. ENGLAND, EAST	81	39	72·4	50·3	60·6	2 above	130	+18	0	0	1073	+ 12	854	+283
	4. MIDLAND COUNTIES	86	39	74·3	52·1	62·5	4 above	144	+34	0	0	1127	+ 43	934	+372
	5. ENGLAND, SOUTH	83	43	72·5	53·3	62·2	3 above	141	+23	0	0	1142	− 24	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	78	48	69·6	53·0	60·7	5 above	131	+33	0	0	950	+ 55	778	+334
	7. ENGLAND, N.W.	81	47	70·1	55·1	62·1	4 above	141	+39	0	0	992	+ 42	725	+303
	8. ENGLAND, S.W.	87	45	70·7	54·6	62·1	4 above	141	+32	0	0	1112	+ 15	654	+337
	9. IRELAND, NORTH	83	43	69·9	53·9	61·3	5 above	135	+40	0	0	1010	+ 6	642	+275
	10. IRELAND, SOUTH	82	46	69·8	54·6	61·7	4 above	138	+32	0	0	1124	− 40	479	+195
	—CHANNEL ISLANDS	79	52	65·5	56·4	60·7	2 above	131	+18	0	0	1226	− 13	360	+248

Rainfall.

	DISTRICTS (See p. 152.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	7	0 (average)	108	−10	18·9	− 4·4
	1. SCOTLAND EAST	3	8	2 more	86	− 8	11·4	− 2·5
	2. ENGLAND, N.E.	4	11	6 more	90	+ 2	11·7	+ 0·4
	3. ENGLAND, EAST	2	2	3 less	79	− 7	8·5	− 2·7
	4. MIDLAND COUNTIES	4	11	5 more	70	−15	9·5	− 3·3
	5. ENGLAND, SOUTH	2	3	1 less	67	−16	7·8	− 4·5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	6	2 less	88	−13	11·6	−12·3
	7. ENGLAND, N.W.	4	10	4 more	78	−14	11·3	− 3·1
	8. ENGLAND, S.W.	3	6	0 (average)	72	−22	12·5	− 5·1
	9. IRELAND, NORTH	4	7	1 more	98	− 9	12·2*	− 3·7
	10. IRELAND, SOUTH	3	10	more	81	−19	14·2	− 4·1
	—CHANNEL ISLANDS	3	3	2 less	86	−16	10·9	− 3·8

Bright Sunshine.

	DISTRICTS (See p. 152.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	+ 3	39	+ 3	677	+ 35	32	+ 2
	1. SCOTLAND EAST	58	+19	48	+15	768	+ 86	37	+ 4
	2. ENGLAND, N.E.	44	+ 9	38	+ 8	779	+118	34	+ 5
	3. ENGLAND, EAST	53	+11	46	+ 9	874	+ 90	39	+ 4
	4. MIDLAND COUNTIES	41	+ 2	36	+ 2	843	+145	37	+ 7
	5. ENGLAND, SOUTH	62	+12	54	+ 9	915	+ 98	39	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	48	+ 6	41	+ 5	800	+ 71	35	+ 3
	7. ENGLAND, N.W.	40	+ 5	34	+ 4	739	+129	36	+ 5
	8. ENGLAND, S.W.	55	+ 7	48	+ 5	1038	+188	45	+ 8
	9. IRELAND, NORTH	39	+ 4	33	+ 3	810	+123	36	+ 6
	10. IRELAND, SOUTH	59	+10	44	+10	857	+ 58	37	+ 2
	—CHANNEL ISLANDS	66	+18	59	+16	1096	+150	49	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was again fine and dry during the earlier part of the period, but, later on, the conditions became showery and unsettled generally, with thunder and lightning in many places. Over our extreme south-eastern counties, however, the rain was very slight and local. During a thunderstorm on the 26th the rainfall at Churchstoke was exceedingly heavy.

Temperature was above the mean, the excess ranging from 2° in England E. and the Channel Islands to 5° in Scotland W. and Ireland N. The highest of the maxima were recorded during the early days of the week, when the thermometer rose to 87° in England S.W. (at Llandovery), to 86° in the Midland Counties (at Bawtry), and to between 81° and 83° in most other parts of the Kingdom. In the Channnel Islands, however, the highest reading was 79° and in Scotland N. and W. 78°. The lowest of the minima were registered between the 24th and 26th, and ranged from 37° in Scotland E. and 39° in England E. and the Midland Counties, to 48° in Scotland W., and to 52° in the Channel Islands.

Rainfall was again less than the mean in England E. and S. and in the Channel Islands, as well as in Scotland W., but just equalled the normal in Scotland N. and England S.W., while in all the other districts there was an excess. At Churchstoke, on the 26th, the abnormally large fall of 4·83 ins. was recorded.

Bright Sunshine continued very prevalent generally, and exceeded the mean in all districts. The percentage of the possible duration ranged from 59 in the Channel Islands and 54 in England S. to 34 in England N.W. and 33 in Ireland N.

Barometer and Wind.—The distribution of pressure continued anticyclonic during the first few days of the week, with light and rather variable winds. By Wednesday, however, shallow depressions were spreading over our western districts from the Atlantic, and, by the end of the week, cyclonic conditions and South-Westerly winds had become established over the whole Kingdom.

637 1|90 W. & S., Ltd.
213 70 7|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 151 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head §	60	42	57·1	47·6	52·0	+ 1·2	70	0	2	0·48	0·00	*	*	*	*
	Stornoway §	71	45	64·6	48·9	56·2	+ 3·3	99	0	3	0·52	−0·18	42·2	+ 3·0	34	+ 3
	Wick §	65	44	61·1	49·1	54·7	+ 1·2	89	0	4	0·90	+0·46	*	*	*	*
	Glencarron §	76	43	69·2	48·7	58·2	+ 4·9	113	0	4	0·84	−0·43	*	*	*	*
	Fort Augustus §	78	44	65·7	49·3	56·9	+ 1·6	104	0	3	0·66	+0·07	42·7	?	35	?
	Fort William §	73	47	68·3	50·9	59·0	+ 3·2	119	0	3	0·87	−0·14	57·5	?	47	?
1. SCOTLAND, E.	Nairn	69	37	64·4	47 0	55·1	− 1·0	92	0	4	1·03	+0·58	*	*	*	*
	Aberdeen	66	41	63·1	50·7	56·5	+ 1·0	102	0	3	0·33	−0·14	61·5	+18·5	50	+15
	Braemar §	77	42	69·3	48·8	58·3	+ 4·8	114	0	4	0·26	−0·34	60·2†	?†	49†	?†
	Ochtertyre §	81	44	74·7	47·3	60·0	+ 4·1	126	0	3	0·71	+0·03	*	*	*	*
	Leith §	77	49	69·1	52·4	60·2	+ 3·2	127	0	2	0·33	−0·17	*	*	*	*
	Marchmont §	80	42	69·4	48·6	58·3	+ 3·0	114	0	4	1·35	+1·19	58·8	?	49	?
2. ENGLAND, N.E.	Alnwick Castle	70	42	65·7	51·3	58·0	+ 2·7	112	0	4	1·35	+1·33	*	*	*	*
	Durham	81	40	72·0	49·5	60·0	+ 2·9	126	0	3	0·77	+0·27	47·9	+11·5	40	+ 9
	Shields	70	46	65·3	51·3	57·8	+ 1·6	111	0	4	1·12	+0·67	*	*	*	*
	Scarborough §	72	50	69·5	53·0	60·7	+ 3·5	131	0	3	1·02	+0·52	*	*	*	*
	York	79	41	73·4	51·9	61·9	+ 3·5	139	0	5	1·51	+1·07	43·3	+ 5·2	37	+ 6
	Spurn Head	70	47	65·4	54·0	59·3	+ 1·8	121	0	4	0·35	0·00	*	*	*	*
3. ENGLAND, E.	Hillington §	81	39	72·7	49·8	60·5	+ 1·9	130	0	4	0·36	−0·19	52·2	+ 9·4	45	+ 7
	Yarmouth	73	45	66·1	52·6	58·9	+ 0·7	118	0	2	0·04	−0·46	*	*	*	*
	Geldeston	78	39	73·6	48·4	60·1	+ 1·7	127	0	1	0·01	−0·30	62·3	+15·3	54	+12
	Cambridge	81	42	75·0	50·9	62·4	+ 2·8	143	0	3	0·23	−0·31	51·1	+ 8·1	44	+ 6
	Rothamsted	80	41	74·1	50·0	61·2	+ 2·6	134	0	2	0·23	−0·35	44·8	?	39	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	86	39	75·7	47·4	60·6	+ 1·5	130	0	4	1·15	+0·59	*	*	*	*
	Loughborough	80	43	74·0	51·9	62·2	+ 2·0	141	0	3	0·14	−0·38	*	*	*	*
	Stamford (Ketton Hall)	84	39	74·9	48·9	61·0	+ 1·4	133	0	4	0·77	+0·27	*	*	*	*
	Cheadle §	81	49	72·2	53·6	62·3	+ 5·9	142	0	4	0·61	−0·07	*	*	*	*
	Solihull	81	49	74·0	52·6	62·6	+ 3·4	144	0	4	0·43	?	*	*	*	*
	Churchstoke §	82	48	73·6	52·7	62·4	+ 5·8	143	6	3	5·05	+4·52	49·6	+ 9·4	43	+ 8
	Hereford §	84	48	75·9	54·7	64·6	+ 5·3	158	0	4	0·29	−0·21	*	*	*	*
	Cirencester	80	45	74·0	52·3	62·4	+ 4·9	143	0	3	0·35	−0·23	42·5	+ 0·8	37	0
	Oxford	80	50	74·4	55·0	64·0	+ 4·7	154	0	3	1·01	+0·49	41·4	− 1·1	35	− 1
5. ENGLAND, S.	London	82	50	77·3	54·9	65·3	+ 4·2	163	0	1	0·01	−0·51	48·6†	+10·2†	42†	+ 7†
	North Foreland	77	47	70·9	54·0	61·9	+ 3·5	139	0	1	0·04	?	*	*	*	*
	Strathfield Turgiss §	83	43	78·5	49·5	63·0	+ 3·3	147	0	3	0·39	−0·10	*	*	*	*
	Dungeness	68	48	65·3	52·9	58·6	− 0·8	116	0	1	0·03	−0·35	*	*	*	*
	Hastings (St. Leonards)	78	52	71·3	53·8	61·9	+ 2·5	139	0	1	0·12	−0·28	72·9	+23·9	64	+21
	Southampton	81	50	75·8	54·4	64·4	+ 4·5	157	0	2	0·78	+0·36	48·4	+ 2·2	42	0
	Hurst Castle	78	53	69·9	55·1	62·1	+ 2·6	141	0	2	0·69	+0·20	*	*	*	*
	Stowell §	79	44	71·2	51·4	60·6	+ 1·8	130	0	2	0·42	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	77	48	69·4	52·2	60·2	+ 4·3	127	0	4	0·57	−0·63	*	*	*	*
	Glasgow	76	50	71·2	52·7	61·4	+ 5·0	135	0	3	0·65	−0·04	45·5	+13·5	41	+11
	Ardrossan	75	52	67·1	53·6	59·9	+ 3·2	125	0	3	0·04	+0·54	*	*	*	*
	Glenlee §	78	48	72·0	53·5	62·1	+ 6·6	141	0	3	0·20	−0·60	*	*	*	*
	Douglas (Isle of Man)	75	50	68·4	53·0	60·2	+ 4·3	127	0	4	0·67	+0·12	46·8	− 2·0	40	− 2
7. ENGLAND, N.W.	Stonyhurst	78	50	69·9	54·0	61·4	+ 4·2	136	0	4	1·55	+0·68	47·1	+ 6·3	40	+ 5
	Blackpool §	78	50	70·7	55·0	62·3	+ 4·8	142	0	3	0·93	+0·41	45·9	+ 4·9	40	+ 5
	Manchester (Prestwich)	81	47	71·2	53·1	61·5	+ 4·1	137	0	5	1·08	+0·34	33·5	?	28	?
	Liverpool Obsy. (Bidston)	78	52	70·1	56·9	63·0	+ 4·3	147	0	4	0·73	+0·21	*	*	*	*
	Llandudno §	77	55	71·3	58·2	64·3	+ 5·7	156	0	3	0·21	−0·25	44·0	+ 4·5	38	+ 4
	Holyhead	72	50	67·1	53·6	59·9	+ 2·4	125	0	4	1·27	+0·80	*	*	*	*
8. ENGLAND, S.W.	Llandovery	87	46	77·0	51·9	63·6	+ 5·1	151	0	3	0·38	−0·36	*	*	*	*
	Pembroke	71	54	65·0	55·6	60·0	− 3·1	126	0	3	0·49	+0·02	56·8	+ 4·3	49	+ 3
	Bristol (Montpelier)	86	52	76·7	57·1	66·2	+ 6·8	169	0	2	0·51	−0·06	*	*	*	*
	Arlington (N. Devon)	79	50	71·3	52·9	61·5	+ 4·8	137	0	3	0·64	−0·23	*	*	*	*
	Cullompton §	81	45	73·0	52·0	61·8	+ 3·2	139	0	2	0·66	+0·07	42·6	− 0·5	37	− 1
	Falmouth	73	54	69·3	56·1	62·2	+ 3·6	141	0	3	0·77	+0·14	61·9	+19·0	53	+ 9
	Plymouth	72	52	67·4	54·9	60·7	+ 0·5	131	0	3	0·54	+0·15	58·7	+15·9	52	+10
	Prawle Point	72	53	66·0	56·0	60·7	+ 3·5	131	0	2	0·04	+0·24	*	*	*	*
9. IRELAND, N.	Malin Head	75	53	66·3	55·9	60·7	+ 4·8	131	0	4	0·70	?	*	*	*	*
	Londonderry	83	51	74·2	55·9	64·4	+ 7·0	157	0	5	0·36	−0·28	*	*	*	*
	Edenfel (Omagh)	82	44	71·4	54·0	62·1	+ 5·5	141	0	4	0·41	−0·24	*	*	*	*
	Belmullet	75	55	66·6	57·0	61·5	+ 5·3	137	0	5	0·83	?	*	*	*	*
	Markree Castle	82	43	71·3	52·3	61·1	+ 5·5	134	0	3	0·48	−0·01	37·8	+ 4·1	32	+ 4
	Brookeborough	81	44	71·1	53·5	61·7	+ 6·0	138	0	4	0·75	+0·05	*	*	*	*
	Armagh	79	48	71·5	53·2	61·7	+ 5·0	138	0	4	1·35	+0·80	40·1	+ 3·1	34	+ 2
	Donaghadee	67	46	64·1	53·0	58·2	+ 2·0	113	0	5	0·79	+0·29	*	*	*	*
	Edgeworthstown	82	44	74·3	50·3	60·5	+ 4·1	130	0	3	0·33	−0·59	*	*	*	*
10. IRELAND, S.	Dublin	78	54	73·5	57·8	65·1	+ 6·3	162	0	4	0·69	+0·24	47·2	+ 7·2	41	+ 8
	Parsonstown	82	46	71·9	55·0	62·9	+ 5·7	146	0	4	0·35	−0·24	40·6	+ 2·6	35	+ 2
	Kilkenny	77	47	70·7	54·0	61·8	+ 4·4	139	0	3	1·47	+0·96	*	*	*	*
	Roche's Point	70	50	66·3	55·1	60·3	+ 1·6	128	0	3	1·30	+0·58	*	*	*	*
	Valencia	75	51	67·1	55·7	61·0	+ 3·5	133	0	5	0·94	+0·13	62·7	+20·5	55	+18
	Killarney	77	45	69·7	52·7	60·6	+ 3·6	130	0	3	1·59	?	*	*	*	*
	Foynes	79	49	69·2	52·1	60·1	+ 2·7	127	0	2	0·50	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	71	54	68·1	57·1	62·3	+ 4·0	142	0	4	0·30	−0·18	59·3	?	53	?
	Jersey	79	52	62·9	53·6	59·0	− 0·9	119	0	1	0·20	−0·28	71·2	+18·3	64	+16

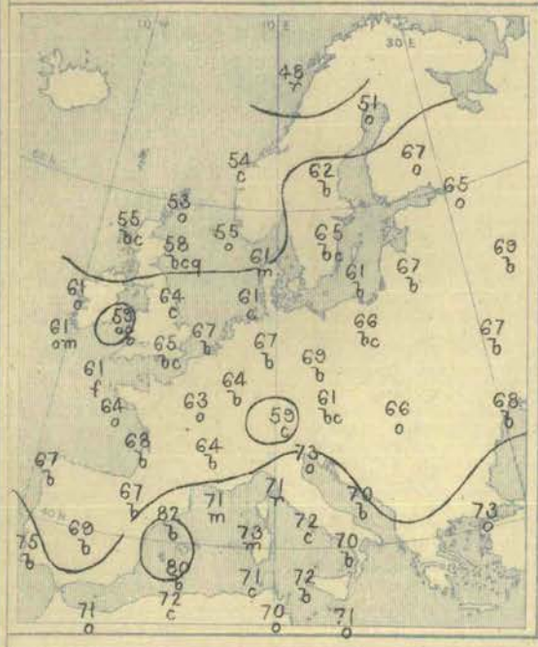
Stations marked § are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

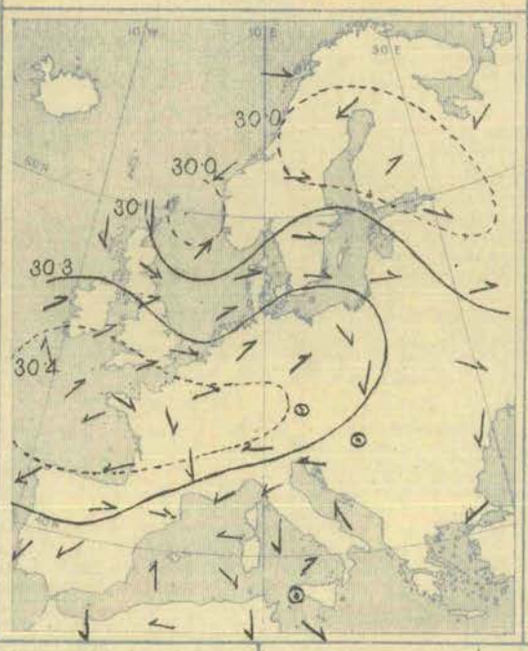
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 23rd June.

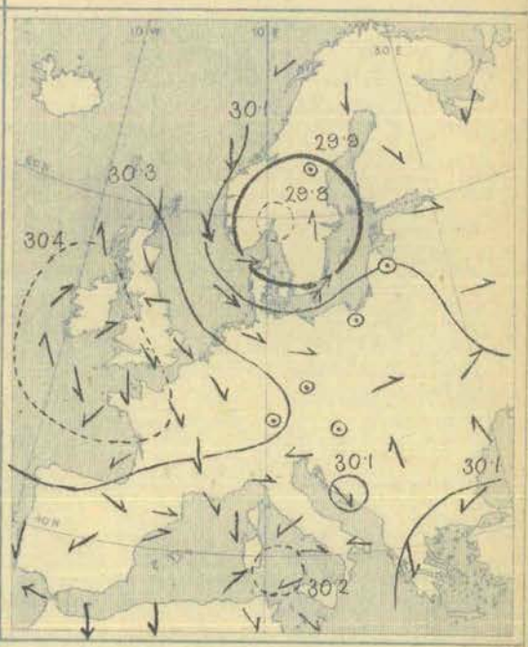
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain and the west and south of France, also over the central and southern parts of Russia and on the shores of the Baltic; dull and unsettled elsewhere, with rain in places, especially at the stations in Lapland. Rain falling later over northern Europe, the eastern shores of the North Sea, and some parts of north Germany, but amounts not large; thunderstorm at Naples.

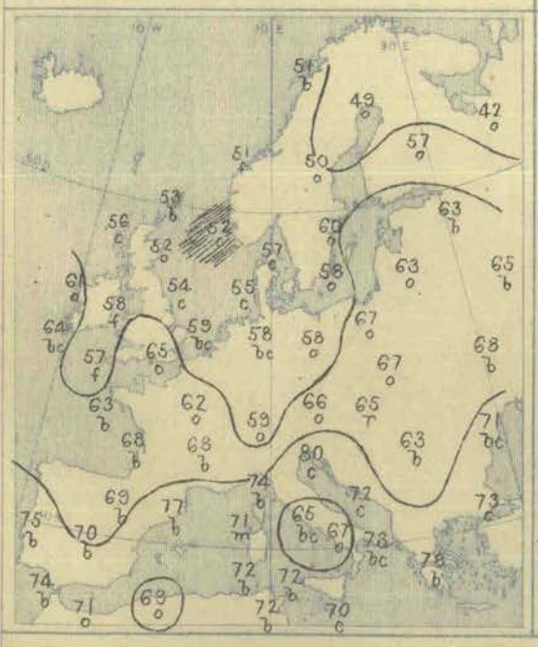
Temperature in morning highest, 82° at Barcelona, exceeding 70° at nearly all the stations on the southern coasts of Europe, and exceeding 60° over nearly the whole of the Continent. Lowest, 43° at Archangel, 48° at Bodö, 50° at Uleaborg, 53° at Sumburgh Head, and 55° at Skudesnaes. Rising later to between 75° and 80° in many parts of Great Britain, to 80° and more over southern Italy, to 90° and more in some parts of Algeria.

Wind (1) light and anticyclonic over Germany, France, and the south of our Islands; (2) strong from North-Westward over the northern parts of Scotland. Strong to moderate from South-West on the eastern shores of the North Sea; another cyclonic circulation of fresh winds prevailing over Finland; strong cyclonic North-Westerly and South-Westerly winds felt later over Denmark and the south of Scandinavia, and a South-South-Westerly gale at Wisby.

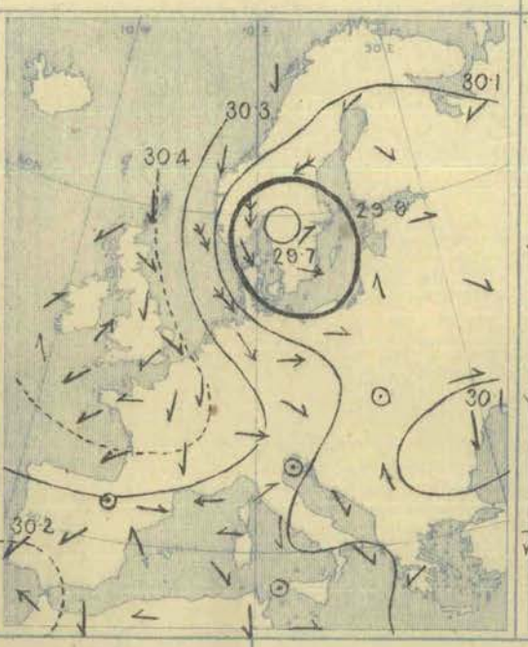
Barometer highest, 30·4 ins. and more to 30·3 ins. in an anticyclone covering Spain, France, Germany, England, and Ireland. Lowest, below 30·0 ins. in two shallow depressions, one over Finland, the other between the Shetland Islands and the Norwegian coast. Latter system moving south-eastwards later, its centre reaching the Christiania Fjord by 6.0 p.m.

Monday, 24th June.

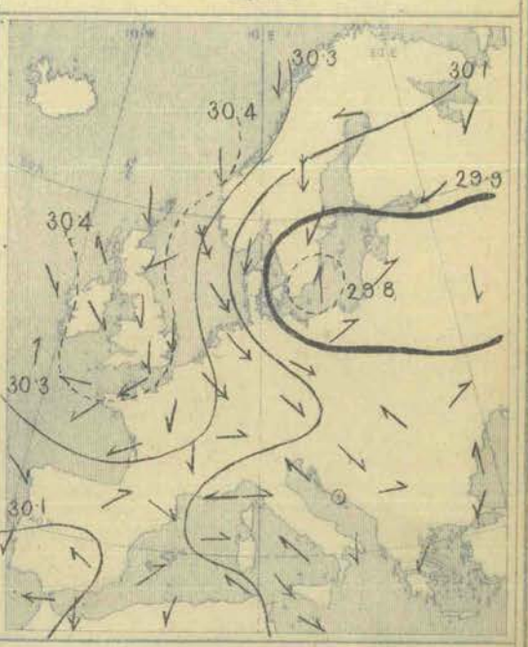
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the British Islands and France, and in most places clear and bright; dull, however, over the south-east of England, and foggy off our south-western coasts. Rain at Stockholm, Fanö, the German stations, and in several parts of Italy; a thunderstorm at Nice and a slight sprinkling in London, but weather fine elsewhere.

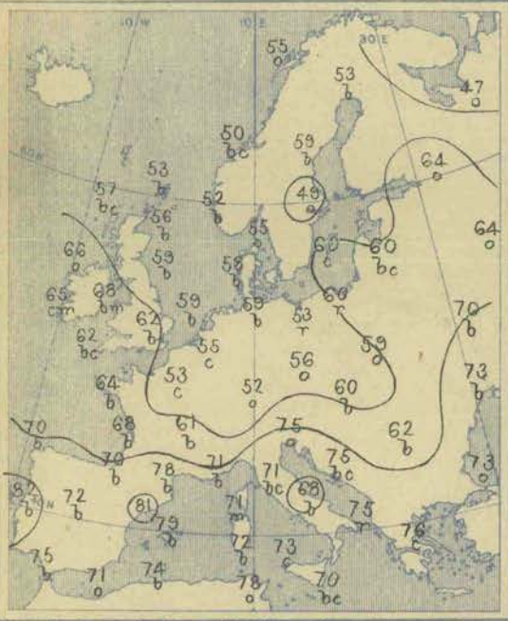
Temperature in morning highest, 81° at Barcelona, 78° at Patras, 77° at Perpignan, and above 70° on the south-eastern, southern, and south-western coasts of Europe generally, 70° at Jersey, Prawle Point, and at Parsonstown. Lowest, 42° at Archangel, 46° to 50° over the northern parts of the Swedish coasts, 52° in the east of Scotland. Rising later to 82° at Parsonstown, 79° at Oxford and Jersey, to 85° and more at several Mediterranean stations, 84° at Biarritz; not touching 60° at some of the Scotch stations; night cold over east of England.

Wind (1) strong to a strong gale from the Northward over Scandinavia; Westerly, moderate, over the Baltic, South-Easterly and Southerly, light, on the eastern shores of the Baltic; (2) very light and anticyclonic over the British Islands, light, Easterly, over the Bay of Biscay. Very little change later.

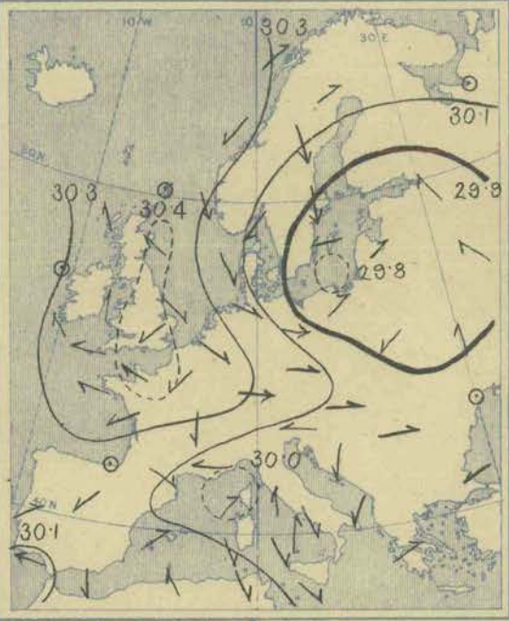
Barometer highest, 30·4 ins. and more over the British Islands and the northern half of France. Lowest, below 29·7 ins. in a well-marked depression lying over the southern parts of Sweden. Falling a little over the British Islands later, but rising over Scandinavia as the Swedish depression moved south-eastwards over the Baltic.

Tuesday, 25th June.

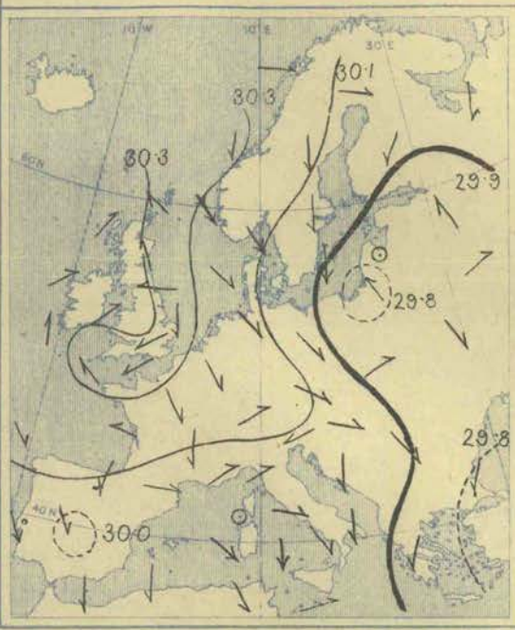
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the western countries generally, but dull over the Baltic, central and northern Russia, with rain at some stations. Rain falling later over northern Russia, the Baltic, and Germany; weather very fine over the British Islands till night, when thunderstorms and rain began to spread over the west of Ireland.

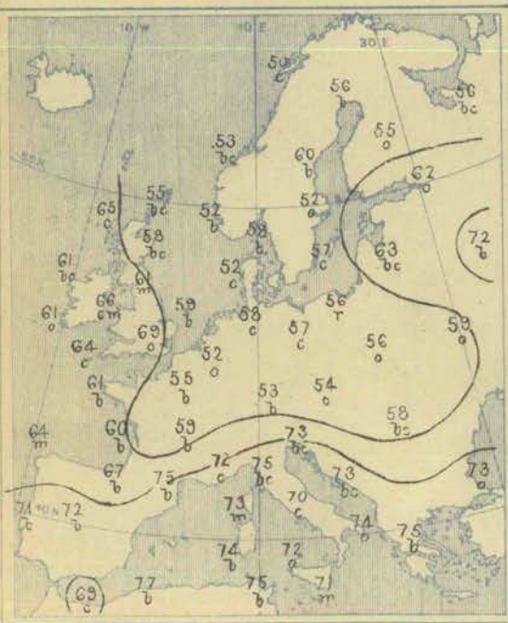
Temperature rising in the west of the British Islands. Morning readings highest, 82° at Lisbon, 81° at Barcelona, 78° at Perpignan and Sfax, exceeding 70° at nearly all stations over the southern and south-eastern parts of Europe, 70° at Kiev; 68° at Prawle Point, 66° at Parsonstown. Lowest, 47° at Archangel, 50° to 52° in the west of Norway; 52° at Munich, 53° at Münster, Berlin, and Breslau. Rising later to between 75° and 80° over the inland parts of the British Islands, to between 80° and 89° in the south of France and on the southern shores of the Mediterranean, but not exceeding 71° at Paris and 61° at Berlin.

Wind (1) Northerly, strong to a gale over the southern half of Scandinavia, Denmark, and at Swinemünde, Westerly over Germany, South-Easterly over central and northern Russia; (2) very light and anticyclonic over the United Kingdom, Easterly and moderate over the west of France. The South-Easterly (anticyclonic) wind becoming more general on our western coasts later, and veering more to the Southward with a cyclonic tendency, little change elsewhere.

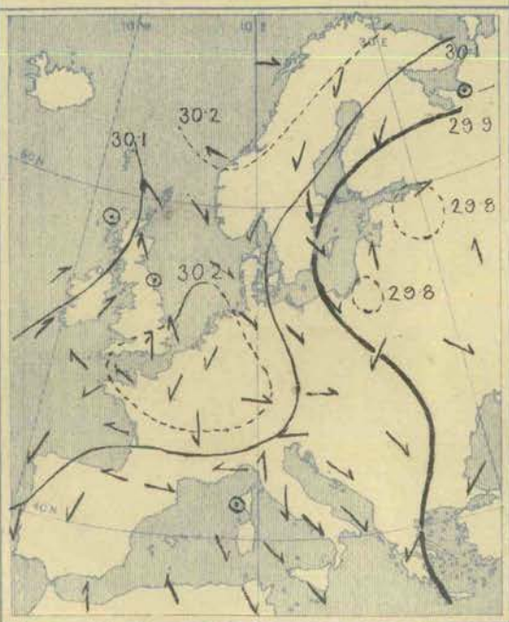
Barometer highest, 30·4 ins. and more to 30·3 ins. in a large anticyclonic system covering the British Islands and neighbouring countries, including the west of Norway. Lowest, (1) below 29·9 ins. all over the central and western parts of Russia, and below 29·8 ins. in a depression having its centre over the Gulf of Riga; (2) below 29·8 ins. in a large shallow system over Asia Minor. Falling in our Islands all day, rising over the Baltic, as the depression there began to fill up.

Wednesday, 26th June.

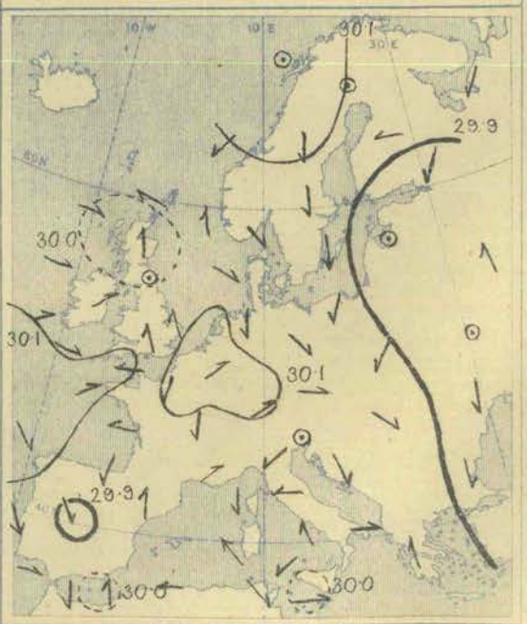
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain, France, and Scandinavia, as well as in many parts of Great Britain, cloudy and unsettled over Ireland and the west of Scotland, as well as over the Baltic; rain falling at Neufahrwasser. Rain later over the Baltic and Germany. Heavy thunderstorms over the western, northern, and midland parts of our Islands, lightning and some thunder in the south-east; rainfall exceeding half-an-inch at Oxford, York, and Shields, and amounting to as much as 4·8 ins. at Churchstoke.

Temperature rising decidedly over England, falling over France and southern Europe. Morning readings highest, 77° at Algiers and Barcelona, and exceeding 70° at nearly all the Mediterranean and Adriatic stations; 73° at Liverpool, 69° in London, 67° at Parsonstown; 72° at Moscow, 70° at Kharkov. Lowest, 50° at Bodö, 52° at Skudesnaes and Brussels, 53° at Munich, 55° at Paris and Breslau. Rising later to between 79° and 82° in the inland parts of England, and exceeding 80° over southern Europe, but not touching 70° over the greater parts of Ireland and Scotland.

Wind still North-Easterly to North-Westerly over Finland and the Baltic, but moderate to light in force; light and anticyclonic over France, the Netherlands, and the south-eastern part of England; chiefly Southerly over Ireland and Scotland. Veering to West at our western stations later, and becoming very variable elsewhere.

Barometer highest, 30·2 ins. and more (1) over Lapland and the north of Norway; (2) in the Netherlands, the north-east of France, and the south-east of England. Lowest, (1) about 29·8 ins. to 29·9 ins. in a complex depression over central and western Russia; (2) below 30·1 ins. in a large but shallow disturbance advancing over the northern parts of our Islands from the westward. Last-named disturbance spreading over our northern districts later and barometer falling generally.

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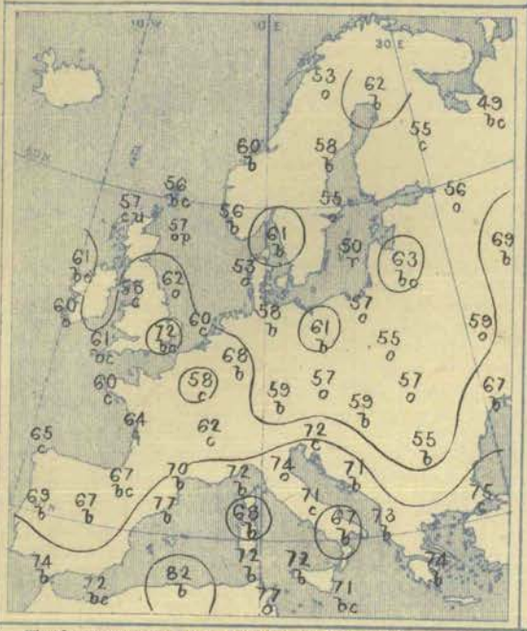
Thursday, 27th June.

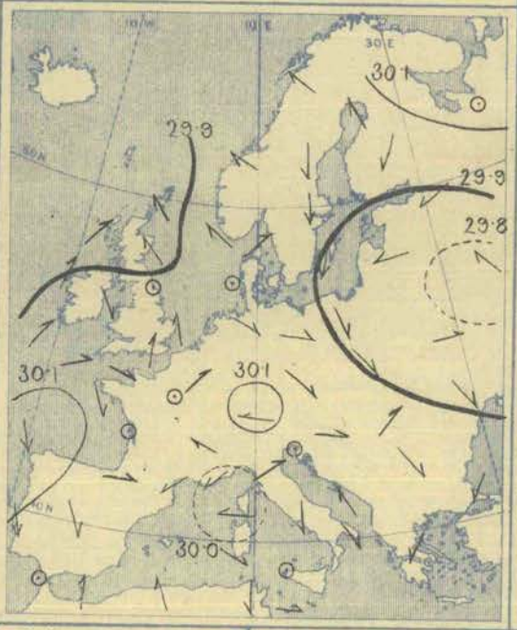
Temperature and Weather.

8 a.m.

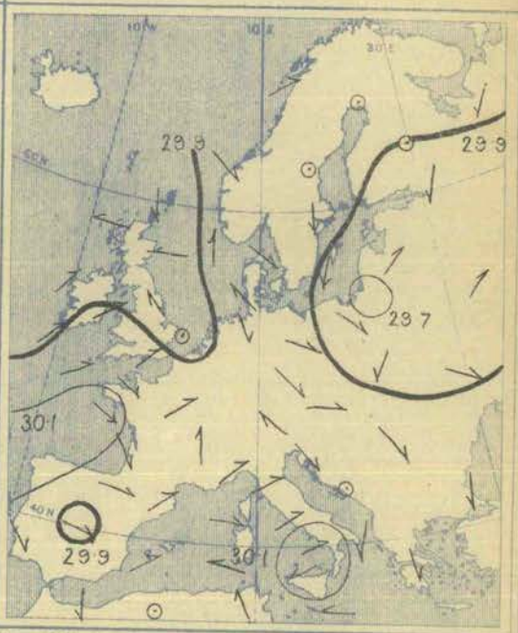


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern Europe, England, and the south-east of Ireland, also over Sweden, the south of Norway, and north Germany; cloudy, more or less, and unsettled elsewhere, with rain at several of our northern stations and at Hangö and Wisby. Rain later in many parts of northern Europe and at our western and northern stations generally, rather heavy in the extreme west and at York, thunderstorms in many places, especially in the north and east of England; weather fine over southern Europe.

Temperature changing very irregularly, falling rapidly at Liverpool, risen rapidly at Brussels. Morning readings highest, 82° at Algiers, and exceeding 70° at most stations on the shores of the Mediterranean, Adriatic, and Black Sea: 72° (locally) in London, and above 60° over the greater part of France and British Isles; 69° at Moscow, 67° at Kharkov. Lowest, (1) 49° at Archangel, 53° at Bodö, 55° at Hangö, 56° at Nairn; (2) 54° at Prague and Cracow, 55° at Hermanstadt. Rising later to 74° at Loughborough, 78° in London, 80° at Paris, 83° at Lyons, and 90° or more at some of the more southern stations.

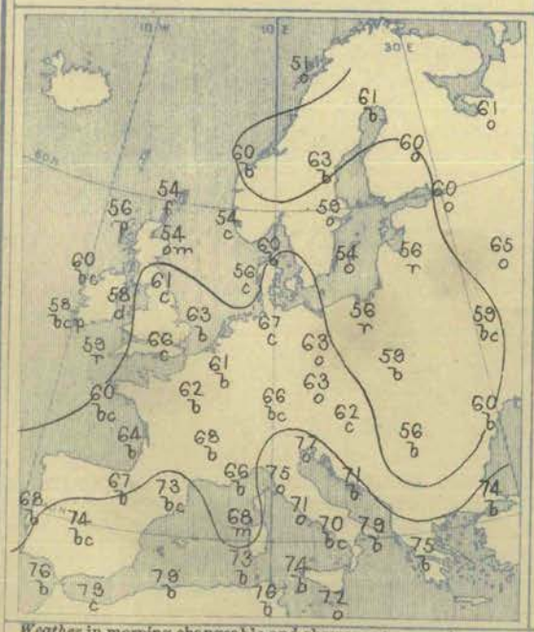
Wind (1) Northerly over the Baltic and Sweden, North-Westerly over eastern Germany, South-Westerly at Lemberg, South-Easterly at Moscow; (2) Southerly, light, over Ireland and Scotland; (3) Northerly to North-Westerly over the Iberian Peninsula; (4) very light and variable elsewhere. Becoming Southerly over our Islands generally later in the day, no decided change elsewhere.

Barometer highest, 30·3 ins. and more over the Azores, and exceeding 30·1 ins. over the north-west of Spain, as well as (locally) at Munich and over the White Sea; exceeding 30·0 ins. over central Europe, Denmark, and the greater part of Scandinavia. Lowest, below 29·8 ins. in a shallow depression over central Russia, and in another off our extreme north-west coasts, and about 29·9 ins. in a small shallow secondary over Wales. Falling slowly in our Islands later, as further shallow disturbances approached our south-western coasts from the Atlantic.

Friday, 28th June.

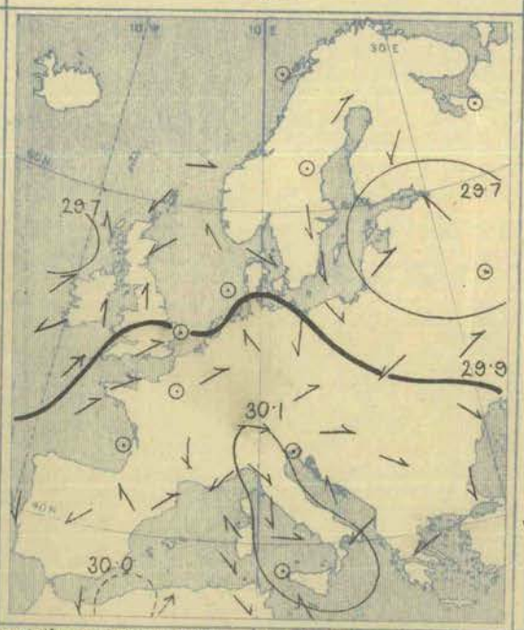
Temperature and Weather.

8 a.m.

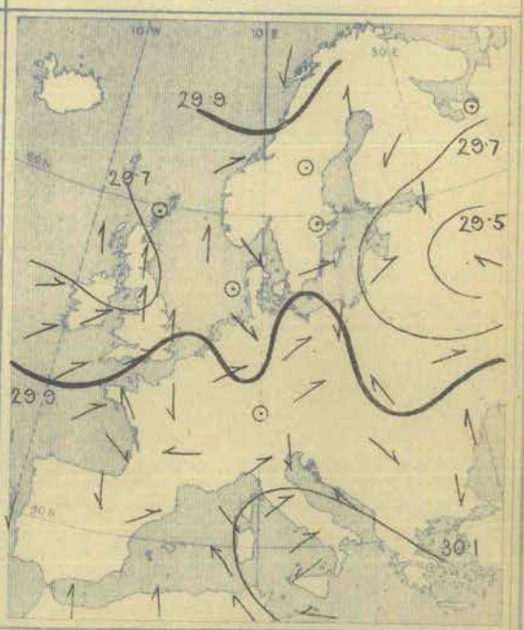


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning changeable and showery at many of our western stations and rainy at Scilly. Fair or fine in most other parts of the Kingdom, as well as at the Continental stations generally, but dull over western and central Russia, with rain in the Baltic Provinces. Rain falling during day over many parts of Germany and Austria and in nearly all parts of the United Kingdom (heavily at some of our western stations), thunderstorms occurring at Shields, Malin Head, and over southern and central Europe. Showers in south-east of England very slight and partial.

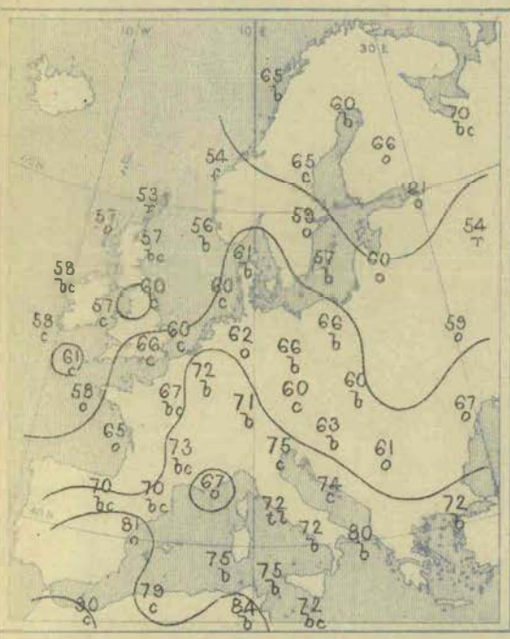
Temperature fallen slightly in many parts of the United Kingdom and Norway, as well as in central Russia, risen in most other localities. Morning readings highest, 86° at Palma, 82° at Barcelona, and 79° at Brindisi and Algiers; above 70° over southern Europe generally. Lowest, 51° at Bodö, 54° at Sumburgh Head and Aberdeen, and 55° at Wick and Donaghadee. Rising during day to 70° and upwards at many of the English stations, and reaching 75° in London and 77° at Cambridge. Exceeding 80° in some parts of France, Germany, and Italy, and rising to 87° at Lyons, 90° at Gap and Cape Béarn, 98° at Aumale, and 102° at Laghouat.

Wind light to moderate from the Southward over the greater part of the United Kingdom, but North-Easterly to Northerly in the east of Scotland and the south of Ireland. Variable over the western, central, and southern parts of the Continent generally, but chiefly North-Easterly over the Spanish Peninsula. Northerly over Sweden, Finland, and the Baltic, light from the Westward over Austria and the south of Russia. Subsequently veering to the South-Westward or Westward in the western parts of our Islands; no important change occurring elsewhere.

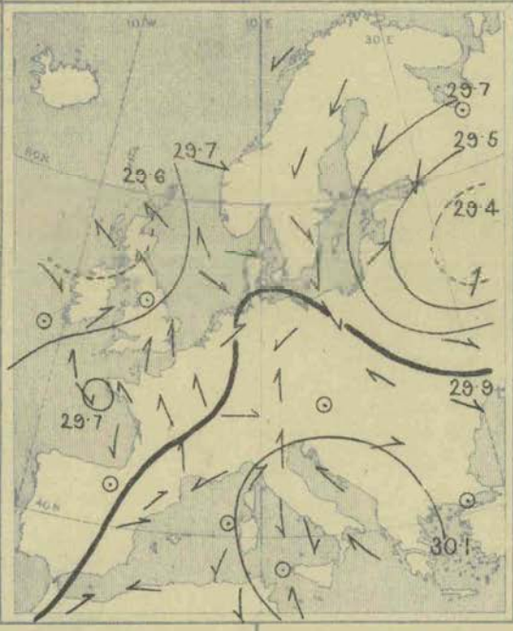
Barometer highest, 30·1 ins. and upwards over Italy; 30·0 ins. and upwards over the greater part of central and southern Europe and the Mediterranean. Lowest, 29·7 ins. and less in a shallow depression lying to the north-westward of our Islands, as well as in a large system over western and central Russia. Former disturbance subsequently spreading eastwards over the northern parts of our Islands; small secondary depressions appearing over our more southern districts.

Saturday, 29th June.

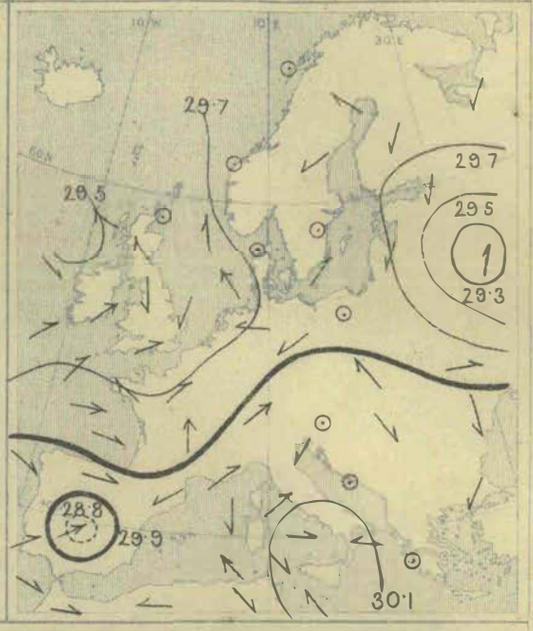
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine and bright over France, Germany, and the greater part of southern Europe; very changeable over the British Islands, with showers over all but the south-eastern counties: dull and rainy over central Russia, thunderstorms locally at Rome. Rain falling at times during the day in nearly all parts of our Islands and France, thunderstorms occurring in the north and north-east of England and in Denmark; amounts of rainfall not large.

Temperature changing very fitfully. Morning readings highest, (1) 90° at Oran, 84° at Tunis, 81° at Barcelona, 80° at Brindisi, and exceeding 70° at almost all stations in southern Europe; (2) 70° at Archangel, 68° at Uleaborg, 65° at Bodö. Lowest, 53° at Sumburgh Head, 55° at Wick, 58° in the extreme west and north-west of Ireland; 57° at Wisby, 59° at Stockholm and Karlstad. Rising later to between 65° and 76° over various parts of our Islands, and touching 82° at Perpignan and Belfort, and 84° at Paris.

Wind (1) South-Westerly to Southerly over France and the north of Ireland, Southerly over England, South-Easterly over Scotland and the south-west of Norway and light generally: (2) North-Easterly over Finland and the north of Sweden, Northerly to North-Westerly over the Baltic, South-Westerly at Kharkov and Moscow; (3) very variable over the Mediterranean. No marked change later.

Barometer highest, (1) 30·1 ins. and more over Italy and south-eastern Europe, and exceeding 29·9 ins. over central Europe, the south of France, and the western parts of the Mediterranean; (2) 29·8 ins. to 29·9 ins. over Lapland and the north of Norway. Lowest, below 29·6 ins. over the extreme north of Ireland and the north-western half of Scotland, and below 29·4 ins. in a well-marked depression over central Russia. Falling over the British Islands and France all day.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the first half of this week anticyclonic conditions prevailed over the British Islands, France, and the neighbouring parts of the Atlantic, the only depressions which appeared being found over Scandinavia, Finland, and the north of Russia. Some of these, however, were rather deep, and, as a result, North-Westerly gales of considerable strength were felt on the Scandinavian coasts during Monday and Tuesday, the weather over the British Islands at that time being fine and the winds very light.

On Wednesday evening, however, disturbances began to advance over our western and northern districts from the Atlantic, and, with these, thunderstorms and heavy rains broke over the districts referred to, and continued at intervals (but with diminished intensity) till the close of the week. The falls of rain and hail were in many localities very heavy, the largest fall at present reported was no less than 4·3 ins. in one day, at Churchstoke, Shropshire, and occurred on Wednesday, the 26th.

At the close of the week showery weather was still in progress, and was spreading to our southern and south-eastern counties.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 152.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	51·2	?	42	?	EASTBOURNE	68·1	?	60	?
OSWALDKIRK (Yorkshire)	41·9	?	36	?	MANCHESTER (Oldham Road)	26·9*	?	23*	?
WORKSOP	37·0	+ 2·0	32	+ 2	TENBY	54·6*	?	47*	?
THURCASTON (Leicestershire)	36·8	+ 0·8	32	0	NEWQUAY		?		?
MARGATE	63·9	?	56	?	TORQUAY	54·4*	?	48*	?
WESTBOURNE (Sussex)	59·2*	?	52*	?	ARLEY COTTAGE (County Cavan)	38·4	?	33	?
BRIGHTON	72·3	?	63	?	GUERNSEY	67·4*	?	60*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd., Lith., 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 27.] *Third Series.* WEEK ENDING SATURDAY, JULY 6TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 158.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	73	40	61·5	49·0	54·8	1 above	90	+17	0	0	831	+120	811	+242
	1. SCOTLAND, EAST	77	40	66·0	49·0	56·9	above	104	+ 8	0	0	960	+ 11	988	+415
	2. ENGLAND, N.E.	75	45	66·2	51·2	58·2	0 (average)	113	+ 8	0	0	1023	+ 59	783	+277
	3. ENGLAND, EAST	74	45	68·1	51·1	59·0	1 below	119	0	0	0	1192	+ 12	854	+283
	4. MIDLAND COUNTIES	76	43	67·5	49·7	58·0	1 below	112	- 3	0	0	1239	+ 40	934	+372
	5. ENGLAND, SOUTH	74	44	67·1	53·0	59·5	1 below	123	0	0	0	1265	- 24	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	71	38	65·3	49·5	56·8	0 (average)	104	+ 6	0	0	1054	+ 61	778	+334
	7. ENGLAND, N.W.	71	44	64·9	51·8	57·9	1 below	111	+ 3	0	0	1103	+ 45	725	+303
	8. ENGLAND, S.W.	77	38	65·5	51·1	57·8	1 below	111	- 2	0	0	1223	+ 13	654	+337
	9. IRELAND, NORTH	76	39	64·5	49·5	56·5	0 (average)	102	+ 3	0	0	1112	+ 9	642	+275
	10. IRELAND, SOUTH	74	42	64·4	51·1	57·3	1 below	107	- 2	0	0	1231	- 42	479	+195
	—CHANNEL ISLANDS	69	49	65·8	54·9	60·0	0 (average)	126	+ 7	0	0	1352	- 6	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 158.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	6	2 less	111	-11	19·5	- 4·6	20	-22	16	-18	697	+ 13	31	+ 1
	1. SCOTLAND EAST	4	9	3 more	90	- 8	12·3	- 2·2	36	0	30	0	804	+ 86	37	+ 4
	2. ENGLAND, N.E.	4	5	0 (average)	94	+ 3	12·2	+ 0·4	31	- 6	26	- 5	810	+112	34	+ 5
	3. ENGLAND, EAST	3	6	1 more	82	- 7	9·1	- 2·7	45	+ 5	40	+ 2	919	+ 94	39	+ 4
	4. MIDLAND COUNTIES	4	7	1 more	74	-14	10·2	- 3·2	39	0	34	0	882	+146	37	+ 6
	5. ENGLAND, SOUTH	3	5	0 (average)	70	-16	8·3	- 4·5	43	- 4	38	- 3	958	+ 95	39	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	4	4 less	91	-14	12·0	-12·7	50	+ 9	43	+ 8	850	+ 80	35	+ 3
	7. ENGLAND, N.W.	3	5	2 less	81	-14	11·8	- 3·2	43	+ 7	36	+ 6	782	+127	36	+ 5
	8. ENGLAND, S.W.	3	8	2 more	75	-23	13·3	- 4·9	61*	+16	51*	+14	1100	+204	45	+ 8
	9. IRELAND, NORTH	3	9	2 more	101	-11	13·1	- 3·5	27	- 4	23	- 4	837	+119	35	+ 5
	10. IRELAND, SOUTH	3	10	3 more	84	-19	15·2	- 3·7	29	- 9	25	- 8	886	+ 49	37	+ 2
	—CHANNEL ISLANDS	2	4	1 less	88	-18	11·3	- 3·9	75	+20	68	+17	1171	+170	50	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was very unsettled and showery during the early part of the week, with thunderstorms in many places. Towards the middle of the period, however, a gradual improvement took place, and, by the end of the week, fair, dry weather had again become general.

Temperature differed very little from the mean, but was slightly above it in the north and east of Scotland, and below it in most of the English districts, as well as in the south of Ireland. The highest readings were observed, as a rule, on the 6th of July, and ranged from 71° in Scotland W. and England N.W., to 76° in the Midland Counties and Ireland N., and to 77° in Scotland E. and England S.W. The lowest readings, which occurred mostly on the 5th or 6th, were rather low for the time of year, the thermometer falling to 45° or less in nearly all districts, and to 40° or less in Scotland W., England S.W., and Ireland N.

Rainfall was less than the mean in the extreme northern and north-western parts of the Kingdom, as well as in the Channel Islands, but in most other districts there was a slight excess.

Bright Sunshine varied greatly in amount in different localities. In Ireland, the north of Scotland, and he north east and south of England the number of hours recorded was below the average, but in most other districts there was an excess,—slight in many cases, but large in England S.W. and the Channel Islands. The percentage of the possible duration ranged from 16 in Scotland N. and 23 in Ireland N., to 43 in Scotland W., 54 in England S.W., and 68 in the Channel Islands.

Barometer and Wind.—During the early part of the week a well-marked cyclonic system travelled north-eastwards across the more central parts of our Islands, the wind being light from the North-Eastward on our northern coasts, but strong from between South-West and West in the west and south, with a moderate gale in the English Channel. On the 3rd, when the depression passed on to the south of Scandinavia, a large anticyclone spread over our Islands from the south-westward, and moderate North-Westerly breezes set in generally. Towards the close of the week, however, the anticyclone began to move southwards, and depressions appeared off our extreme north-west coasts, the wind backing to the South-Westward in the west and north generally, and blowing strongly in the Hebrides.

607 1 | 90 W. & S., Ltd.
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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 157 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head §	62	46	57·1	48·6	52·6	+ 1·1	74	0	3	0·54	+0·06	*	*	*	*
	Stornoway §	63	44	59·7	49·4	54·2	+ 0·6	85	0	4	0·46	−0·24	15·4	−21·6	12	−18
	Wick §	73	42	61·6	49·1	54·9	+ 0·7	90	0	3	0·26	−0·21	*	*	*	*
	Glencarron §	66	40	61·7	47·1	53·9	0·0	83	0	4	1·06	−0·24	*	*	*	*
	Fort Augustus §	70	43	64·3	49·1	56·4	+ 0·4	101	0	4	1·09	+0·44	15·3	?	13	?
	Fort William §	69	45	64·0	50·5	56·8	+ 0·5	104	0	2	0·14	−0·95	27·9	?	23	?
1. SCOTLAND, E.	Nairn §	74	40	65·4	47·3	55·7	− 1·0	96	0	3	0·83	+0·35	*	*	*	*
	Aberdeen §	73	40	64·3	48·6	55·9	− 0·3	97	0	3	0·55	+0·04	41·0	− 0·3	34	0
	Braemar §	71	41	63·5	45·6	53·9	− 0·3	83	0	3	0·17	−0·45	30·7†	?†	25†	?†
	Ochtertyre §	75	46	70·3	50·9	59·9	+ 3·4	125	0	3	0·79	+0·09	*	*	*	*
	Leith §	77	47	68·1	50·4	58·6	+ 0·9	116	0	4	1·04	+0·46	*	*	*	*
	Marchmont §	72	48	64·6	50·9	57·3	+ 1·2	107	0	5	2·25	+1·55	41·0	?	34	?
2. ENGLAND, N.E.	Alnwick Castle	70	48	64·6	51·4	57·5	+ 1·3	109	0	4	0·72	+0·14	*	*	*	*
	Durham	75	45	68·6	49·8	58·6	+ 0·8	116	0	3	0·39	−0·19	30·7	− 5·5	26	− 5
	Shields	71	49	64·6	50·7	57·2	− 0·1	106	0	5	0·93	+0·43	*	*	*	*
	Scarborough ¶												*	*	*	*
	York ¶	75	45	69·1	50·6	59·2	− 0·1	120	0	4	0·31	−0·24				
	Spurn Head	70	51	64·0	53·7	58·5	− 0·1	116	0	4	0·28	−0·08	*	*	*	*
3. ENGLAND, E.	Hillington ¶	73	45	69·1	49·7	58·7	− 0·7	117	0	3	0·76	+0·16	47·6	+ 4·8	41	+ 2
	Yarmouth	69	50	65·0	53·6	58·9	− 0·2	118	0	4	0·33	−0·22	*	*	*	*
	Geldeston	73	45	67·9	50·5	58·6	− 0·8	116	0	3	0·43	−0·07	51·7	+ 5·0	45	+ 3
	Cambridge	74	49	70·1	51·0	59·9	− 0·7	125	0	3	1·30	+0·75	47·0	+ 4·0	41	+ 3
	Rothamsted	71	45	68·4	50·5	58·8	− 0·6	118	0	3	0·27	−0·33	35·1	?	31	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	44	69·9	49·0	58·7	− 0·9	117	0	4	0·67	+0·07	*	*	*	*
	Loughborough	75	44	69·1	50·7	59·3	− 1·6	121	0	3	0·34	−0·17	*	*	*	*
	Stamford (Ketton Hall)	72	43	68·7	48·9	58·1	− 2·3	113	0	4	0·45	−0·12	*	*	*	*
	Cheadle ¶	71	47	65·2	49·3	56·7	− 0·5	103	0	3	0·66	−0·02	*	*	*	*
	Solihull	70	45	64·9	49·7	56·8	− 3·1	104	0	3	1·24	?	*	*	*	*
	Churchstoke ¶	72	43	66·2	48·3	56·6	− 0·7	102	0	4	0·52	−0·05	40·7	+ 0·8	35	0
	Hereford ¶	76	44	63·4	48·8	58·4	− 1·2	115	0	4	0·84	+0·32	*	*	*	*
	Cirencester	72	46	66·6	50·0	57·7	− 0·7	110	0	4	0·70	+0·10	35·6	− 5·6	31	− 5
	Oxford	73	49	67·7	52·3	59·5	− 0·4	123	0	3	0·42	−0·12	36·1	− 6·4	32	− 5
5. ENGLAND, S.	London	73	49	70·4	53·6	61·4	− 0·5	136	0	3	0·36	−0·17	39·5†	+ 1·0†	35†	0†
	North Foreland	71	53	66·0	54·4	59·7	+ 0·1	124	0	4	0·34	?	*	*	*	*
	Strathfield Turgiss ¶	73	44	69·7	50·5	59·4	− 1·1	122	0	4	0·87	+0·37	*	*	*	*
	Dungeness	67	49	64·7	53·7	58·8	− 1·4	118	0	3	0·49	+0·10	*	*	*	*
	Hastings (St. Leonards)	69	52	65·2	53·9	59·2	− 0·9	120	0	2	0·30	−0·13	35·7	−13·4	32	−12
	Southampton	74	48	69·0	53·1	60·5	− 0·2	130	0	4	0·60	+0·12	48·9	+ 2·9	43	+ 1
	Hurst Castle	68	49	65·9	54·3	59·7	− 0·5	124	0	3	0·29	−0·21	*	*	*	*
	Stowell ¶	71	45	66·2	50·1	57·6	− 1·8	109	0	3	0·53	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	69	48	64·0	50·4	56·7	+ 0·2	103	0	5	0·34	−0·90	*	*	*	*
	Glasgow	71	44	66·5	50·9	58·2	+ 1·4	113	0	4	0·33	−0·41	42·3	+ 7·9	35	+ 6
	Ardrossan	68	44	64·7	51·4	57·6	+ 0·2	109	0	3	0·47	−0·14	*	*	*	*
	Glenlee §	70	38	66·4	44·4	54·6	− 1·4	88	0	3	0·81	−0·05	*	*	*	*
	Douglas (Isle of Man)	68	45	64·7	50·2	57·0	+ 0·5	105	0	1	0·20	−0·39	58·5	+11·2	50	+ 9
7. ENGLAND, N.W.	Stonyhurst	69	46	64·1	50·5	56·8	− 1·0	104	0	4	1·17	+0·25	45·7	+ 6·0	39	+ 4
	Blackpool ¶	70	44	67·3	51·0	58·6	+ 0·4	116	0	2	0·43	−0·16	51·3	+10·3	44	+ 9
	Manchester (Prestwich)	70	46	64·8	51·8	57·9	− 0·2	111	0	4	0·33	−0·45	35·6	?	30	?
	Liverpool Obsy. (Bidston)	71	50	65·3	52·9	58·7	− 0·6	117	0	3	0·33	−0·25	*	*	*	*
	Llandudno ¶	68	47	64·8	52·3	58·1	− 1·2	113	0	3	0·41	−0·09	44·5	+ 6·0	38	+ 5
	Holyhead	66	48	63·1	52·3	57·3	− 0·7	107	0	2	0·26	−0·22	*	*	*	*
8. ENGLAND, S.W.	Llandovery	77	38	69·4	47·7	57·8	− 1·3	111	0	4	1·06	+0·28	*	*	*	*
	Pembroke	65	51	62·0	53·3	57·4	− 0·1	108	0	2	0·44	−0·06	67·3	+17·9	59	+15
	Bristol (Montpelier)	74	45	67·9	52·0	59·4	− 0·8	122	0	4	0·85	+0·25	*	*	*	*
	Arlington (N. Devon)	67	44	63·9	49·3	56·1	− 1·3	99	0	4	1·86	+0·91	*	*	*	*
	Cullompton ¶	73	44	67·4	49·0	57·6	− 1·6	109	0	3	0·71	+0·09	47·0	+ 5·0	42	+ 5
	Falmouth	69	51	65·2	52·5	58·4	− 0·9	115	0	2	0·51	−0·16	69·5	+19·0	62	+18
	Plymouth	67	50	64·7	52·7	58·3	− 2·6	114	0	3	0·98	+0·43	67·1	+22·1	60	+19
	Prawle Point	68	50	63·6	52·4	57·6	− 0·3	109	0	3	0·15	−0·30	*	*	*	*
9. IRELAND, N.	Malin Head	71	51	62·0	52·3	56·8	+ 0·3	104	0	3	0·67	?	*	*	*	*
	Londonderry	76	50	67·9	51·4	59·1	+ 1·3	120	0	4	1·02	+0·32	*	*	*	*
	Edenfel (Omagh)	73	44	65·7	48·0	56·2	− 1·0	99	0	4	0·85	+0·17	*	*	*	*
	Belmullet	66	45	62·3	53·9	57·8	+ 1·1	111	0	4	1·31	?	*	*	*	*
	Markree Castle	71	39	64·3	47·8	55·5	− 0·7	95	0	3	1·67	+0·88	21·6	−10·2	18	− 9
	Brookeborough	73	43	64·8	47·4	55·5	− 0·7	95	0	4	0·77	+0·05	*	*	*	*
	Armagh	74	46	66·1	48·9	56·9	− 0·3	104	0	3	0·77	+0·17	36·3	+ 1·3	31	+ 1
	Donaghadee	72	43	63·6	48·7	55·6	− 1·1	95	0	3	0·22	−0·30	*	*	*	*
	Edgeworthstown	74	44	64·0	46·8	54·8	− 2·3	90	0	3	0·89	+0·14	*	*	*	*
10. IRELAND, S.	Dublin	74	48	65·7	52·0	58·4	− 1·1	115	0	3	1·40	+0·92	34·9	− 3·1	30	− 2
	Parsonstown	74	44	64·4	48·9	56·1	− 1·4	99	0	4	0·83	+0·22	25·5	−10·7	22	−10
	Kilkenny	71	42	65·6	48·9	56·7	− 1·3	103	0	3	0·92	+0·40	*	*	*	*
	Roche's Point	66	50	64·1	51·9	57·6	− 1·7	109	0	3	0·71	−0·02	*	*	*	*
	Valencia	66	49	62·7	52·7	57·4	− 0·6	108	0	4	0·65	−0·20	27·2	−12·3	24	−10
	Killarney	69	46	64·3	51·2	57·3	− 0·3	107	0	4	1·40	?	*	*	*	*
	Foynes	72	49	64·2	52·3	57·8	− 0·1	111	0	3	0·79	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) §	69	54	65·6	55·1	60·0	+ 1·0	126	0	2	0·35	−0·15	76·5	?	68	?
	Jersey	69	49	65·9	54·7	59·9	− 0·9	125	0	2	0·50	0·00	71·8	+19·8	65	+17

Stations marked ¶ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

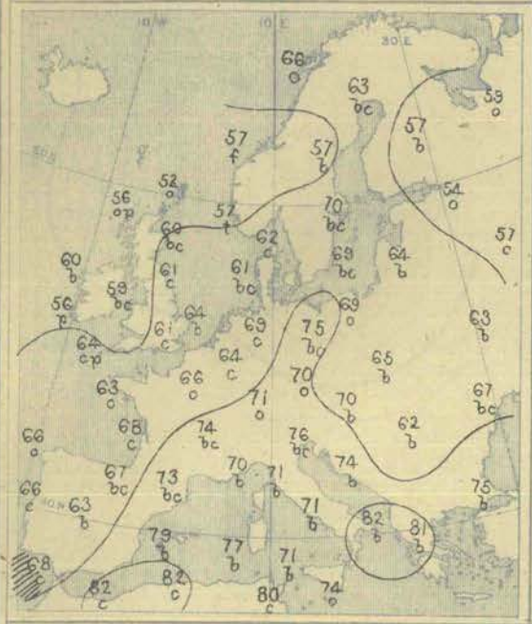
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

ERRATUM.—The Mean Maximum at Blackpool for week ending February 2nd, should have been 35·8.

Sunday, 30th June.

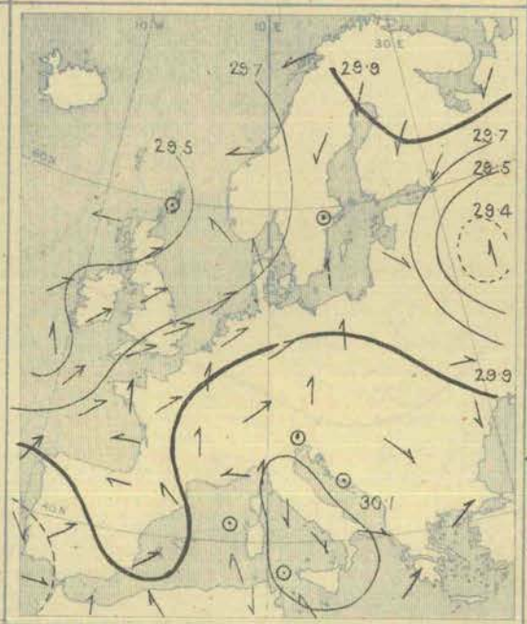
Temperature and Weather.

8 a.m.

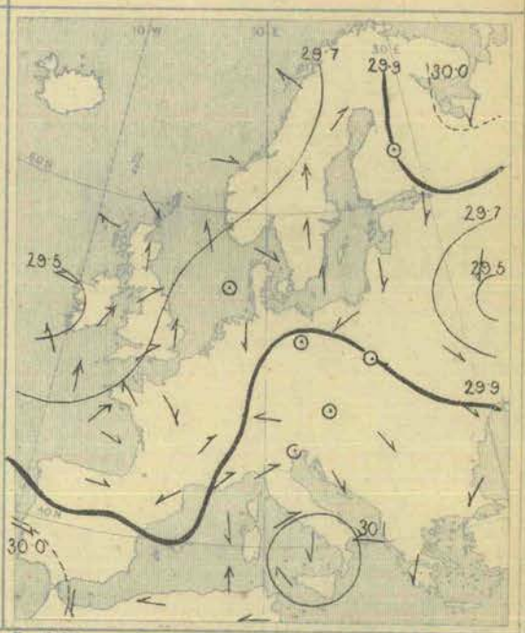


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over the greater part of the United Kingdom, but showery at some of our southern and extreme northern stations. Fine over the Continent generally, but dull in Norway, central Russia and eastern Germany, with thunder at Skudesnaes, rain falling at Copenhagen. Rain falling later in nearly all parts of our Islands and their immediate neighbourhood, heavily at some of the western stations. Thunderstorms occurring in the northern parts of Great Britain, as well as over France, Germany, the Netherlands, and Algeria.

Temperature risen in Germany and Austria, but changed irregularly elsewhere. Morning readings highest, 82° at Brindisi, Oran, and Algiers, 81° at Athens, and 80° at Sfax; above 70° over a considerable portion of central and southern Europe and the Mediterranean. Lowest, (1) 52° at Sumburgh Head, 54° at Wick, and 55° at Parsonstown and Pembroke; (2) 54° at St. Petersburg and 57° at Kuopio and Moscow. Rising during day to 70° or a little more in several parts of Great Britain; exceeding 80° over central and southern Europe as a whole; reaching 90° at some of the southern French stations and 93° at Florence.

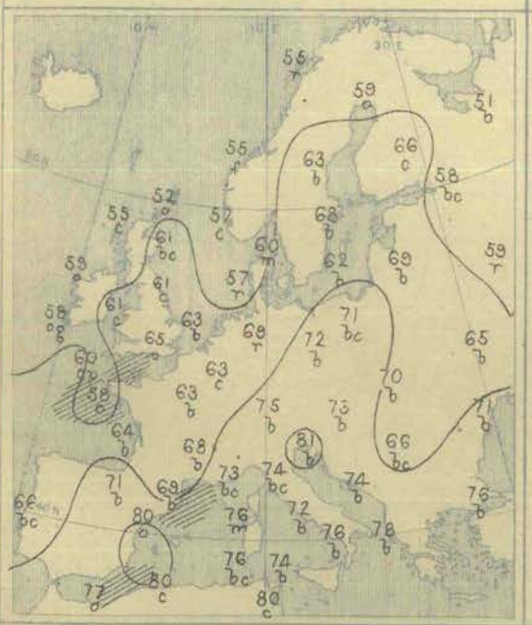
Wind light to moderate from the South-Westward over the greater part of our Islands, as well as over Germany, the Netherlands, and the north of France, but Southerly or South-Easterly on our extreme south-west coasts. Easterly (South-East to North-East) over Scandinavia. Variable in Austria; chiefly North-Westerly in Italy and Westerly in Spain, but Easterly in the south-west of France. A cyclonic circulation of light breezes reported over Russia. Subsequently backing to the South-Eastward in the northern parts of Ireland and Scotland; shifting to the Westward in the south-west of France, and to the Southward or South-Westward in Scandinavia.

Barometer highest, 30·1 ins. and upwards in Italy; 30·0 ins. and upwards over a considerable portion of southern Europe and the Mediterranean. Lowest, 29·4 ins. and less in a well-marked depression over central Russia; 29·5 ins. and less in a shallow disturbance over the extreme north of our Islands and also in another system approaching the south-west of Ireland. Russian depression subsequently moving slowly south-eastwards; disturbance off south-west of Ireland advancing steadily eastwards.

Monday, 1st July.

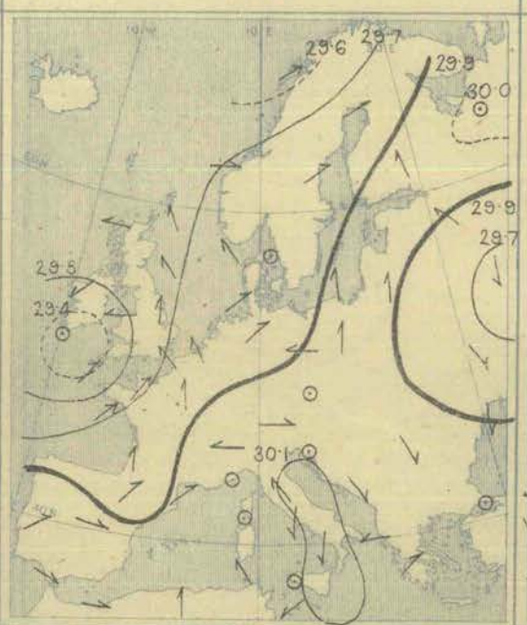
Temperature and Weather.

8 a.m.

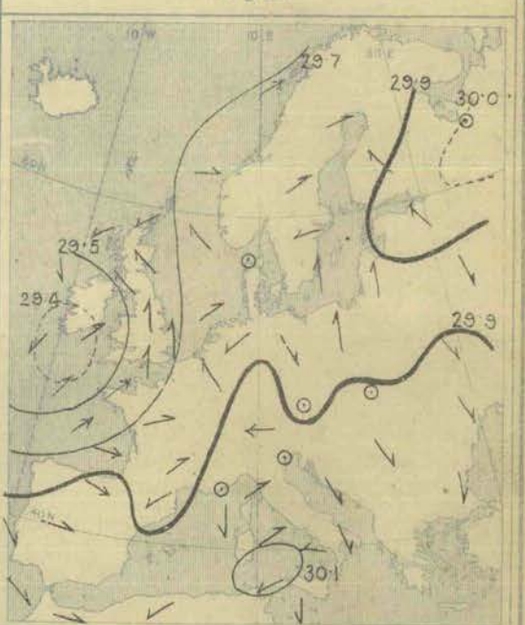


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy and unsettled in the west of our Islands and the north-west of France, with rain or passing showers in many places. Fine over the northern and eastern parts of Great Britain as a whole, as well as over the greater part of the Continent, but dull at some of the Russian stations, with rain at Moscow. Rain falling later over north-western Europe generally; amounts large in places. Thunderstorms occurring in various parts of our Islands, France, the Netherlands, Germany, and Austria.

Temperature fallen in Norway, Denmark, and Germany, but changed irregularly elsewhere. Morning readings highest, 84° at Athens, 81° at Trieste, 80° at Barcelona, Algiers, and Sfax, and 78° at Brindisi; above 70° in many parts of central and southern Europe. Lowest, (1) 51° at Archangel; (2) 52° at Sumburgh Head, 54° at Malin Head and Donaghadee, and 55° at Bodö, Christiansund, Stornoway, and Wick. Rising during day to 70° or more at several of the English stations and to 74° at Cambridge; exceeding 80° in many parts of France, Germany, Austria, and Italy, and reaching 93° at Florence and 91° at Rome.

Wind moderate to strong from the South-West over Spain and the Bay of Biscay, light to fresh from South-East over England; light from the Eastward (South-East to North-East over the greater part of Ireland and Scotland. South-Westerly or Westerly in Scandinavia; light from the Southward in Finland, Northerly over the central and southern parts of Russia and also over the greater part of Italy; variable in Austria. No important change occurring over our Islands during day, but wind veering to the Westward in the west of France.

Barometer highest, 30·1 ins. and upwards over Italy; 30·0 ins. and upwards over a considerable portion of southern Europe and the Mediterranean, as well as over northern Russia. Lowest, 29·4 ins. and less in a well-marked depression over the south-west of our Islands; 29·7 ins. and less in another system over central Russia. Former disturbance subsequently moving slowly north-eastwards, and barometer falling in most parts of western Europe. Russian depression gradually dispersing.

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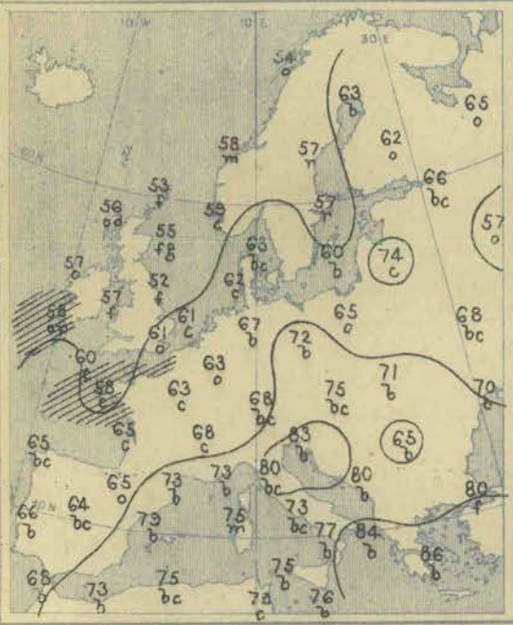
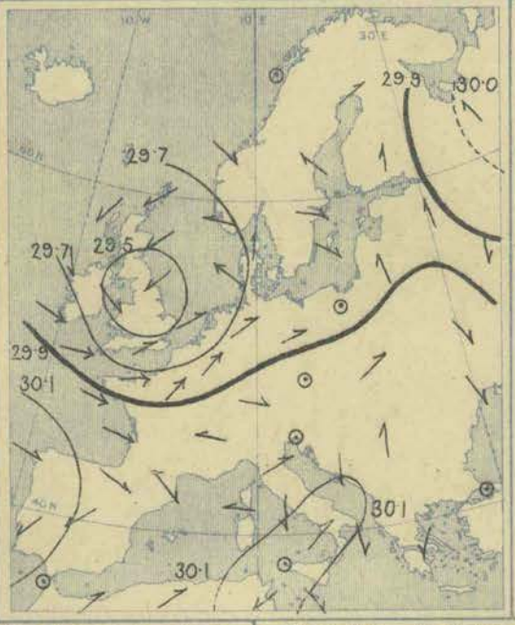
Tuesday, 2nd July.

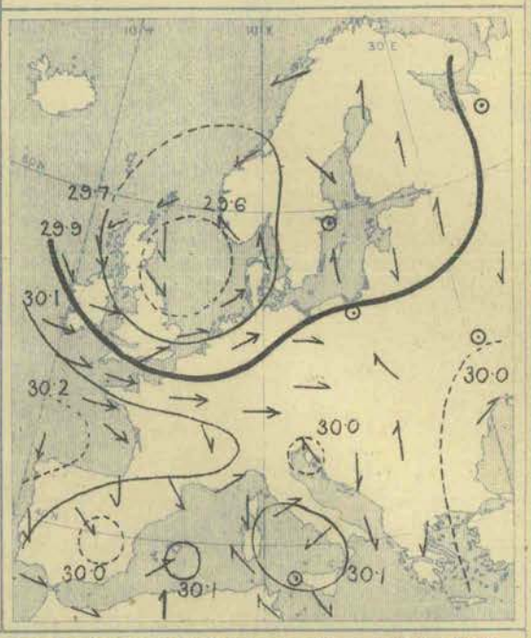
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather changeable and showery over the greater part of western Europe, and foggy on the north and north-east coasts of England, as well as at Holyhead. Fine over the central and southern parts of the Continent generally, but rainy over central Sweden, as well as at Helsingfors. Showers falling during day in all but the south-western parts of the United Kingdom, heavily at some of our northern and eastern stations. Thunderstorms occurring in many parts of Great Britain, as well as at Faerder and the Scaw; thunder heard at Algiers. Heavy rain falling at Oxö and Vienna.

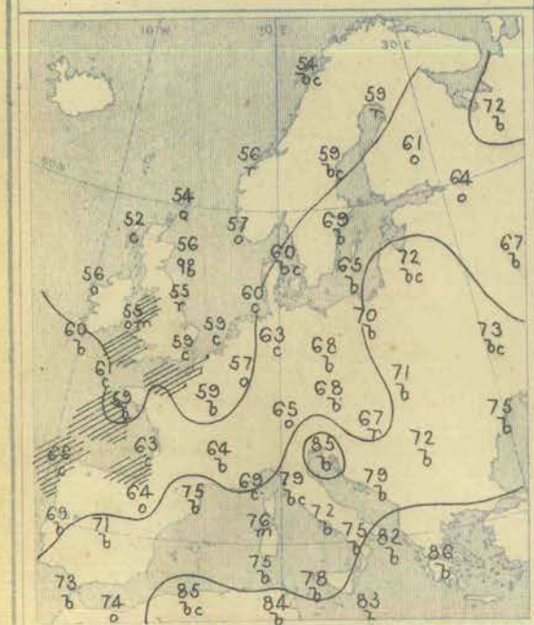
Temperature fallen in Great Britain, as well as over Sweden and the Baltic, changed irregularly elsewhere. Morning readings highest, 86° at Athens, 84° at Brindisi, and 83° at Trieste, above 70° over central and southern Europe generally, and above 60° over the northern parts of Sweden and Russia. Lowest, 52° at Shields, 53° at Sumburgh Head, and 54° at Bodö, Wick, and Malin Head. Rising during day to between 65° and 70° in all the more central parts of Great Britain, and reaching 71° in London. Exceeding 80° over southern Europe generally, exceeding 90° in many parts of Italy and Austria, and reaching 95° at Florence.

Wind light from the Northward or North-Eastward in Scotland, moderate from the North-Westward on our western coasts, fresh to strong from the Westward or South-Westward over the south of our Islands, the Netherlands, and the north and west of France; South-Easterly in Denmark. Variable over the northern parts of Scandinavia, light from the Southward in the north of Russia, but from the Northward over the central and southern parts of that country, as well as in Italy. Calm or North-Easterly at the Spanish stations. No important change occurring during day, but South-Westerly gale springing up at Münster and the Helder.

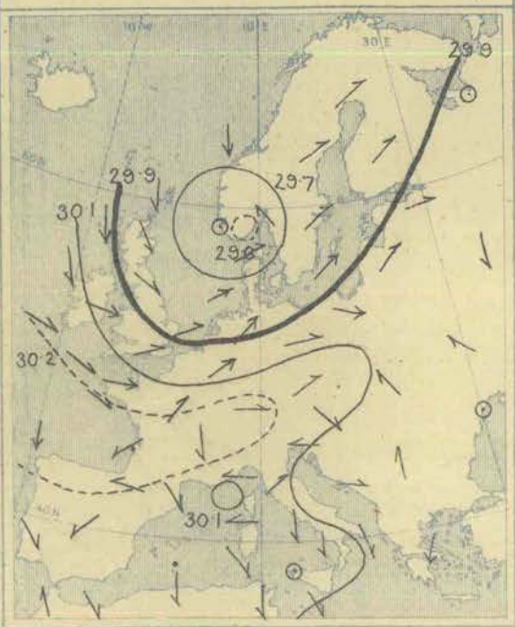
Barometer highest, 30·1 ins. and upwards in three or four distinct areas lying over the more southern parts of the Continent; 30·0 ins. and upwards over the north of Russia. Lowest, 29·3 ins. and less in a well-marked depression covering all the more central parts of Great Britain. Depression subsequently moving north-eastwards across the North Sea, and barometer rising steadily in our Islands and France.

Wednesday, 3rd July.

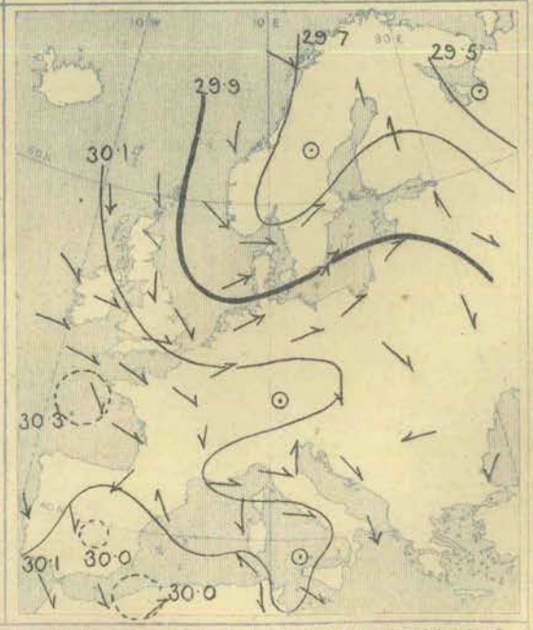
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the northern parts of our Islands with rain at Leith and Shields. Fine over the southern parts of the Kingdom, as well as over the Continent as a whole, but rainy in Lapland and also at some of the Norwegian stations. Showers occurring during day over the eastern and central parts of Great Britain generally, with thunder at Spurn Head. Rain falling in many parts of Scandinavia, Denmark, and north Germany, as well as at some of the Austrian stations. Thunderstorm occurring at Algiers at night.

Temperature fallen over France and the greater part of central Europe, but changed irregularly elsewhere. Morning readings highest, 86° at Athens and Patras, 85° at Trieste and Algiers, and 84° at Tunis, above 70° over southern Europe generally; as well as in the west and south of Russia. Lowest, 52° at Stornoway, 53° at Wick, Nairn, and Malin Head, and 54° at Bodö, Sumburgh Head, and Donaghadee. Rising during day to between 65° and 60° at most of the English stations, but remaining below 60° on our extreme north and north-west coasts. Exceeding 75° in Germany, exceeding 85° in many parts of southern Europe, and reaching 97° at Palermo.

Wind moderate to fresh from the Northward or North-Westward over Ireland and Scotland, fresh or strong from the Westward over the greater part of England, and from the South-Westward over the Netherlands, Germany, Denmark, and the Baltic. Light from the Southward or South-Westward in Sweden and Finland; variable in Norway. Chiefly Northerly over Italy, Austria, and the south of Russia; variable in Spain and the south of France, Easterly in the west of France. Subsequently veering to the North-Westward over England and falling moderate; increasing to a gale from the South-Westward at Wisby in evening.

Barometer highest, 30·2 ins. and upwards in an anticyclone extending from the Atlantic over the Bay of Biscay and France to south Germany. Lowest, 29·6 ins. and less in a depression having its centre over the extreme south of Norway; 29·7 ins. and less in a shallow disturbance over Lapland. Anticyclone spreading northwards and eastwards during day; Norwegian depression moving north-eastwards and partially filling up.

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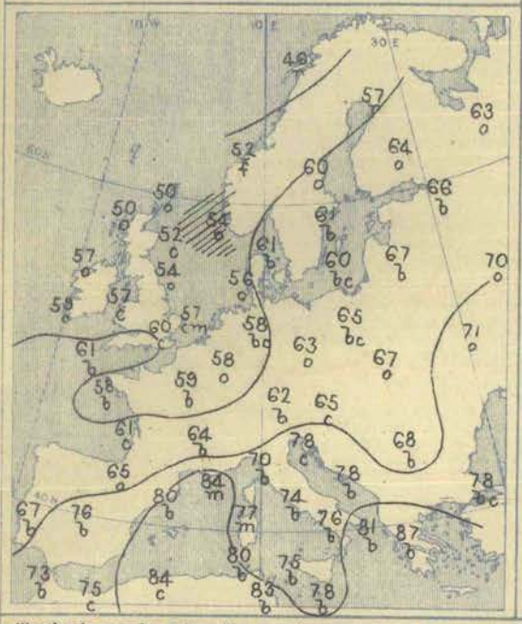
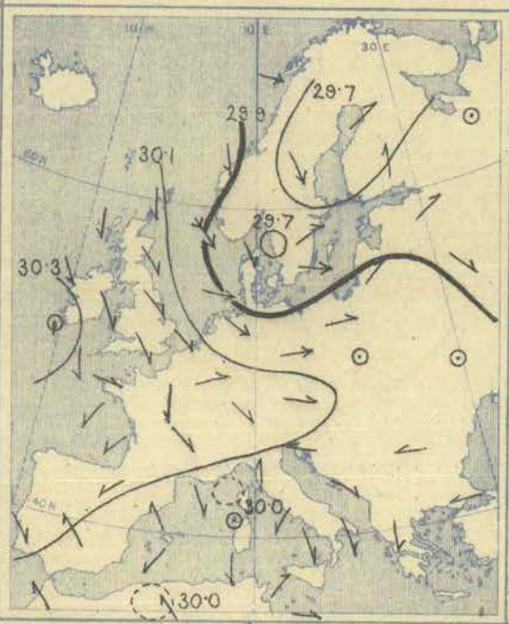
Thursday, 4th July.

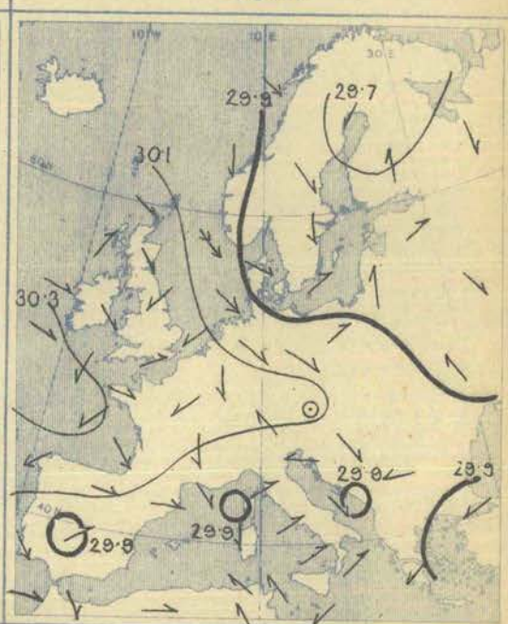
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull in the west of Ireland and the north-east of England, as well as in Scandinavia and northern Russia, with rain at Bodö and Ulealborg. Showers falling later in the east and south-east of England, as well as Brussels and Berlin. Rain occurring also over the southern parts of Sweden, and large quantities over eastern Austria. Thunder heard at Perpignan in afternoon.

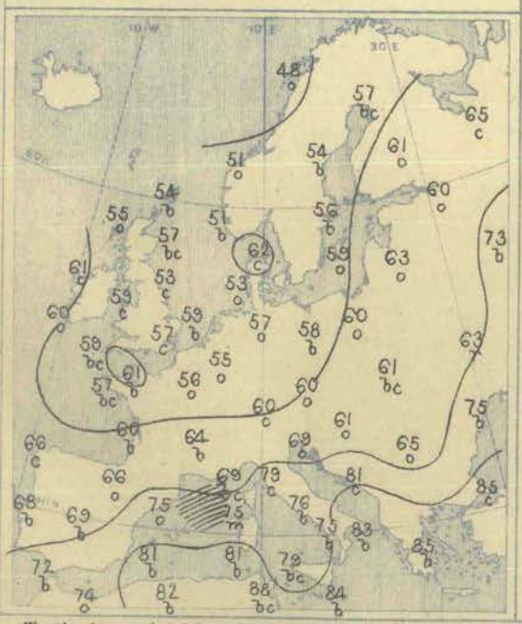
Temperature changed rather irregularly, but fallen in most places. Morning readings highest, 87° at Patras, 85° at Palma, 84° at Toulon and Algiers, and 83° at Tunis and Sfax, above 75° in many parts of southern Europe. Lowest, 46° at Bodö, 50° at Sumburgh Head and Stornoway, 51° at Nairn, and 52° at Christiansund and Aberdeen, below 55° in the north of Scotland generally and also in the north-east of England. Rising during day to 65° and upwards at most of our own central and southern stations, and reaching 70° at Cambridge, remaining below 60° on some parts of our north and north-east coasts. Exceeding 80° over southern Europe generally; reaching 94° at Madrid and 99° at Palermo.

Wind light to moderate from the Northward or North-Westward over our Islands, strong from the North-Westward on the eastern shores of the North Sea, with a gale at Skudesnaes. Calm or variable in Austria and the south of Russia; Northerly in Italy; North-Easterly in the west of France; variable over the Spanish Peninsula. Subsequently backing to the Westward in the west of Ireland and to the South-Westward in the Hebrides. Shifting to West or North-West in the west of France, and to the South-Westward in Italy.

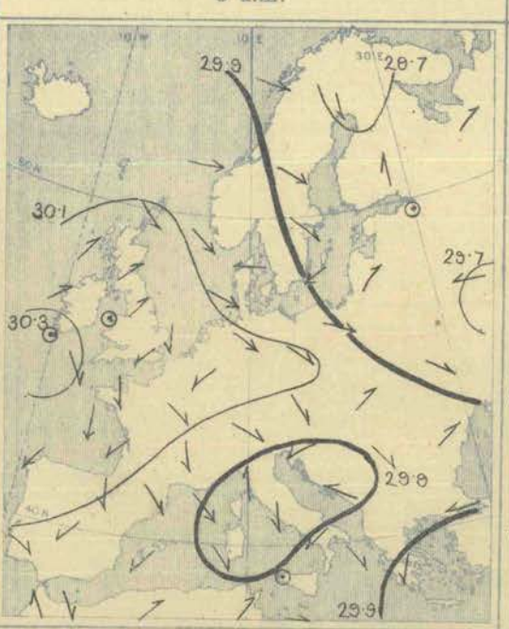
Barometer highest, 30·3 ins. and upwards in the south of Ireland; 30·2 ins. and upwards in an anticyclone extending from the Atlantic over the greater part of our Islands and France. Lowest, 29·6 ins. and less in a small depression over Lapland; 29·7 ins. and less in an equally small system lying near Carlstadt. A small shallow depression moving southwards along our east coasts during day; barometer falling in the south-east of England and also in France. Depression near Carlstadt moving eastwards to the northern parts of the Baltic.

Friday, 5th July.

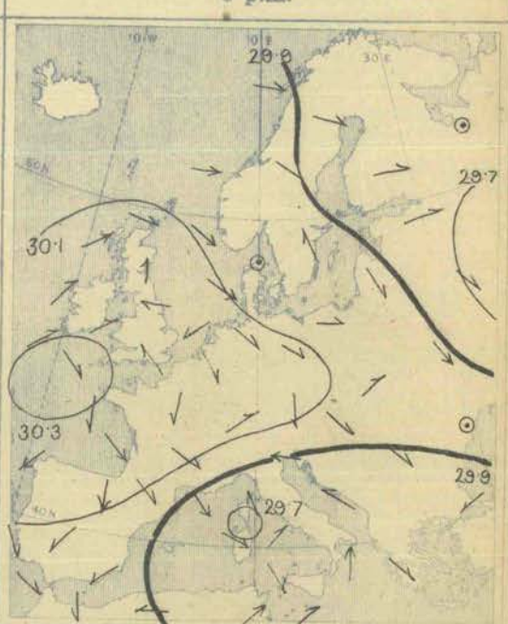
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western and southern Europe generally, but dull in the extreme west of our Islands, with showers at Malin Head. Fine in Sweden, but dull over western Russia, Poland, Austria, and northern Italy, rain falling at Helsingfors and Kiev. Remaining fair and dry over our Islands throughout day, but rain falling at some of the Swedish and German stations, as well as at Belfort. Thunderstorms occurring over Austria, northern Italy, and the south of France, with heavy rain at Turin and Pesaro.

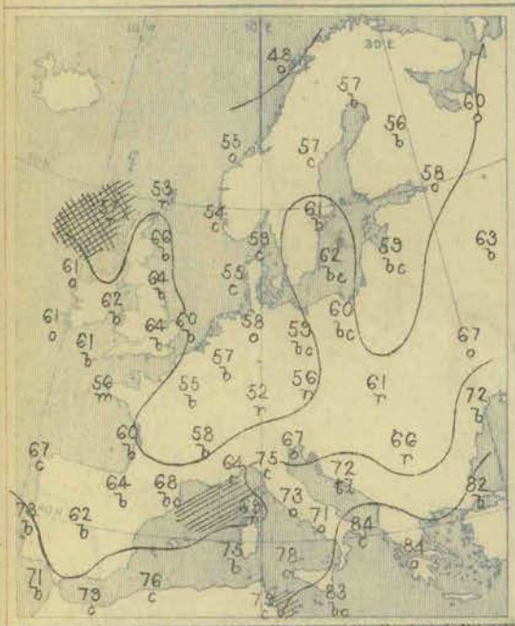
Temperature risen a little in Ireland and Scotland and also in Italy, but fallen in most other countries. Morning readings highest, 88° at Tunis, 87° at Sfax, and 85° at Athens and Constantinople, above 80° at several of the Mediterranean and Adriatic stations, and above 70° over southern Europe generally, as well as in central Russia. Lowest, 48° at Bodö, 51° at Christiansund and Skudesnaes, and 53° at Fano and Shields, below 60° in all but the extreme south-western parts of the United Kingdom. Rising during day to between 65° and 69° in most parts of our Islands, and to 70° and upwards in France; exceeding 85° over the Mediterranean, as well as in many parts of Spain and Italy; reaching 97° at Palermo.

Wind light from the South-Westward or Westward in the northern parts of our Islands, but from the Northward on our southern coasts, as well as in the Netherlands and the greater part of France. Moderate to strong from the Westward or North-Westward over Scandinavia, Denmark, and the Baltic, and light from the same quarters in Germany, Austria, and the south of Russia. Southerly or South-Westerly over the northern parts of Russia. Light from the Northward over Italy. Variable over the Spanish Peninsula. Subsequently backing to the South-Westward or Southward on our western coasts. Well-marked cyclonic circulation setting in over the Adriatic, Italy, and the adjacent parts of the Mediterranean.

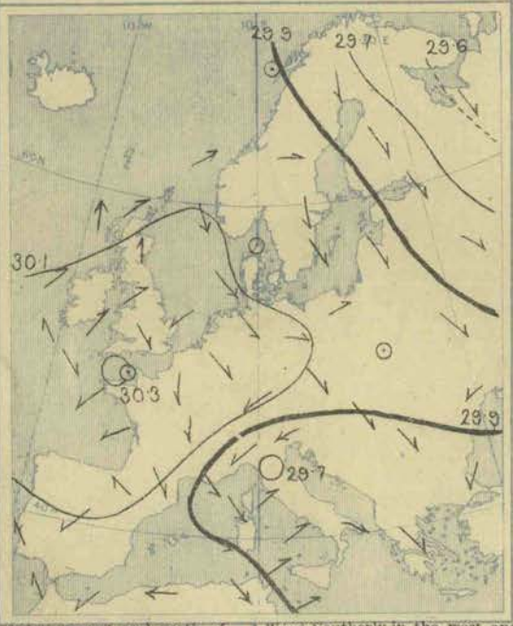
Barometer highest, 30·3 ins. and upwards in the south of Ireland; 30·1 ins. and upwards in an anticyclone stretching from the Atlantic over the greater part of Western Europe. Lowest, 29·7 ins. and less in two shallow depressions lying respectively over Lapland and over central Russia, 29·9 ins. and less in a large area over Corsica, Sardinia, and the northern parts of Italy and the Adriatic. Very little change occurring over western Europe during day, but depression in south increasing somewhat both in size and depth.

Saturday, 6th July.

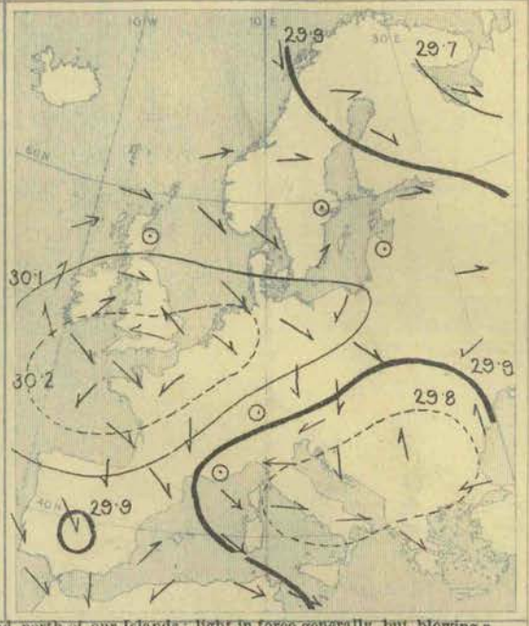
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather fair or fine over western Europe generally, but dull in the extreme west and north of our Islands, with rain in the Shetlands and Hebrides. Dull over northern Russia, as well as in Germany, Austria, and Italy; rain falling in many parts of Austria and south Germany. A little rain falling later on our extreme western and northern coasts, and a considerable quantity at Christiansund; no important change occurring in other parts of western Europe, but heavy rain falling at some of the Austrian stations.

Temperature risen in our Islands and Scandinavia, and also over the Spanish Peninsula, but fallen in most other countries. Morning readings highest, 84° at Brindisi and Patras, 83° at Malta, and 82° at Athens and Constantinople; above 70° at the Mediterranean and Adriatic stations generally, and above 65° in the east of Scotland. Lowest, (1) 48° at Bodö, 53° at Sumburgh Head, and 54° at Skudesnaes; (2) 52° at Munich, 54° at Münster, and 55° at Paris. Rising during day to between 70° and 75° in many parts of the United Kingdom, and reaching 77° at Leith. Exceeding 80° at some of the southern French stations, and exceeding 90° in several parts of Spain and southern Italy.

Wind Southerly in the west and north of our Islands; light in force generally, but blowing a moderate gale in the Hebrides. Variable or light from the North-Westward in the south of England; light to moderate from the Eastward or North-Eastward over the greater part of France and Spain. Moderate to strong from between West and North at the Scandinavian stations; light from the North-Westward over Russia, Germany, and Austria. Moderate from the South-Westward or Westward in Italy. Subsequently veering to the South-Westward on our own western coasts; shifting to the North-Westward in the west of France.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over England, the Netherlands, and the greater part of Ireland and France. Lowest, 29·6 ins. and less over northern Russia, 29·8 ins. and less in a complex depression over the northern parts of Italy and the Adriatic; 30·0 ins. and less in a shallow system to the northward of Scotland. Anticyclone beginning to give way later, and depressions advancing towards our western coasts; barometer falling slightly over western Europe generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week a well-marked depression advanced over our Islands from the south-westward, and travelled in a north-easterly direction across England and the North Sea to the south of Scandinavia, where it gradually filled up. Its progress was attended by unsettled rainy weather over nearly the whole of western Europe, with thunderstorms in many places, the wind being light and mostly North-Easterly in the north, but strong from the South-Westward and Westward in the south, with a slight gale in the English Channel on the 2nd and 3rd July.

In the rear of the depression a large anticyclone extended eastwards from the Atlantic, and the winds over the more western countries veered to the North-Westward, with finer weather. Over northern Europe, however, and also in some of the central and southern countries, the conditions remained very unsettled, the heavy rains which fell in the latter regions being due to a depression which formed over Italy and the Mediterranean on the 5th and 6th. At the close of the week the anticyclone was moving southwards, and depressions were beginning to skirt the extreme north-west of our Islands, freshening South-Westerly winds being reported in those localities, with unsettled showery weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 158.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	31·8	?	27	?	EASTBOURNE	42·1	?	37	?
OSWALDKIRK (Yorkshire)	31·0	?	26	?	MANCHESTER (Oldham Road)	35·7*	?	31*	?
WORKSOP	41·1	+ 6·0	35	+ 4	TENBY	60·4*	?	53*	?
THURCASTON (Leicestershire)	40·3	+ 4·8	35	+ 3	NEWQUAY	67·5	?	60	?
MARGATE	46·6	?	41	?	TORQUAY	52·9*	?	47*	?
WESTBOURNE (Sussex)	46·2*	?	41*	?	ARLEY COTTAGE (County Cavan)	21·9	?	19	?
BRIGHTON	41·5	?	37	?	GUERNSEY	77·8*	?	70*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 28.] *Third Series.* WEEK ENDING SATURDAY, JULY 13TH, 1895. [*Price 6d.* *Annual Subscription post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 164.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	41	59·6	49·8	54·4	0 (average)	87	+10	0	0	918	+130	811	+242
	1. SCOTLAND, EAST	76	41	64·4	49·1	56·3	0 (average)	109	+ 1	0	0	1060	+ 12	988	+415
	2. ENGLAND, N.E.	81	44	68·5	51·7	59·6	1 above	123	+11	0	0	1146	+ 70	783	+277
	3. ENGLAND, EAST	81	43	72·1	50·9	60·8	1 above	132	+ 8	0	0	1324	+ 20	854	+283
	4. MIDLAND COUNTIES	81	44	71·5	50·3	60·2	0 (average)	127	+ 8	0	0	1363	+ 48	934	+372
	5. ENGLAND, SOUTH	82	44	71·5	52·9	61·6	1 above	137	+ 9	0	0	1402	- 15	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	71	45	62·4	50·7	56·2	1 below	99	-11	0	0	1113	+ 50	778	+334
	7. ENGLAND, N.W.	77	44	65·5	51·9	58·2	1 below	113	+ 3	0	0	1216	+ 48	725	+303
	8. ENGLAND, S.W.	80	42	68·0	52·7	59·8	1 above	125	+ 9	0	0	1348	+ 22	654	+337
	9. IRELAND, NORTH	72	44	62·5	51·8	56·8	0 (average)	104	+ 2	0	0	1216	+ 11	642	+275
	10. IRELAND, SOUTH	72	44	64·9	53·3	58·7	0 (average)	117	+ 5	0	0	1348	- 37	479	+195
	—CHANNEL ISLANDS	78	51	65·0	56·5	61·8	1 above	139	+15	0	0	1491	+ 9	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 164.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	16	8 more	117	-10	21·1	- 3·8	15	-14	12	-12	712	- 2	30	0
	1. SCOTLAND EAST	3	4	2 less	93	-10	12·7	- 2·4	43	+10	26	+ 9	847	+ 96	37	+ 4
	2. ENGLAND, N.E.	2	3	2 less	96	+ 1	12·6*	+ 0·3	58	+19	50	+15	868	+131	34	+ 5
	3. ENGLAND, EAST	2	3	3 less	84	- 9	9·4	- 3·0	67	+22	59	+18	986	+116	40	+ 5
	4. MIDLAND COUNTIES	1	2	4 less	75	-17	10·4	- 3·6	69	+30	61	+29	951	+175	38	+ 7
	5. ENGLAND, SOUTH	2	1	4 less	72	-18	8·4	- 4·9	70	+26	62	+22	1038	+120	40	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	10	2 more	97*	-12	13·0	-12·5	35	- 4	30	- 4	885	+ 74	35	+ 3
	7. ENGLAND, N.W.	2	7	0 (average)	83	-16	12·5	- 3·2	54	+16	46	+14	836	+144	37	+ 6
	8. ENGLAND, S.W.	2	2	5 less	77	-25	13·5	- 5·4	56	+ 9	50	+ 9	1157*	+213	46	+ 9
	9. IRELAND, NORTH	6	10	3 more	107	-10	14·1	- 3·2	24	- 9	20	- 8	811	+110	35	+ 5
	10. IRELAND, SOUTH	4	5	2 less	88	-20	15·7	- 3·9	33	- 3	29	- 2	919	+ 46	37	+ 2
	—CHANNEL ISLANDS	3	2	4 less	91	-19	11·5	- 4·2	51	+ 2	46	+ 1	1222	+172	50	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was unsettled and rainy in the extreme western and northern parts of the Kingdom, but generally fair in all other localities, although some rain was experienced in nearly all places on Thursday or Friday.

Temperature was rather high during the earlier days of the period, but fell considerably towards its close, and the average for the week did not differ materially from the normal value. The highest of the maxima were recorded either on the 7th or 8th, and ranged from 80° to 82° over the greater part of England, to 72° in Ireland, and to 71° in the north and west of Scotland. The lowest of the minima were recorded, as a rule, during the latter part of the week, and ranged from 41° in Scotland N. and E., 42° in England S.W., and 43° in England E., to 51° in the Channel Islands.

Rainfall exceeded the mean in Scotland N. and W. and also in Ireland N., and just equalled it in England N.W., but in all other districts there was again a deficiency.

Bright Sunshine was in excess over the whole of England, as well as in Scotland E., but in Ireland and the west and north of Scotland the amount recorded was less than the mean for the time of year. The percentage of the possible duration ranged from 62 in England S. and 61 in the Midland Counties, and from between 46 and 59 in the other English districts, to 20 in Ireland N. and 12 in Scotland N.

Barometer and Wind—During the earlier part of the week depressions moving north-eastwards skirted our extreme western and north-western coasts, causing South-Westerly breezes to prevail in all parts of the Kingdom, with heavy falls of rain in the far west. Later in the week, however, some well-defined disturbances travelled south-eastwards over the North Sea, and caused the winds over our Islands to veer to the Westward or North-Westward and increase considerably in force, with a decided fall of temperature.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 163 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	67	46	59·7	49·4	54·2	+ 2·1	85	0	3	0·42	−0·08	*	*	*	*
	Stornoway	59	41	56·7	48·7	52·4	− 1·7	73	0	6	2·29	+1·50	19·7	−14·7	16	−12
	Wick	71	42	62·1	50·1	56·1	+ 1·4	99	0	6	0·82	+0·32	*	*	*	*
	Glencarron (S)	67	44	58·8	48·5	53·3	− 1·0	79	0	6	2·82	+1·48	*	*	*	*
	Fort Augustus (S)	70	47	60·3	50·8	55·2	− 1·2	92	0	6	0·76	+0·07	19·8	?	9	?
	Fort William (S)	68	46	60·1	51·2	55·3	− 1·3	93	0	6	2·42	+1·26	14·9	?	12	?
1. SCOTLAND, E.	Nairn	76	44	64·0	49 7	56·4	− 0·7	101	0	4	0·38	−0·14	*	*	*	*
	Aberdeen	75	46	64·9	51·0	57·5	+ 0·8	109	0	3	0·39	0·19	50·4	+10·6	42	+ 9
	Braemar (S)	71	41	59·7	47·1	53·0	− 1·4	77	0	5	0·70	+0·06	25·3†	?†	21†	?†
	Ochtertyre (S)	74	42	65·6	48·6	56·5	− 0·4	102	0	3	0·52	−0·20	*	*	*	*
	Leith	76	46	63·3	50·1	58·6	+ 0·3	116	0	3	0·27	−0·34	*	*	*	*
	Marchmont (S)	72	43	63·9	48·1	55·5	− 1·1	95	0	1	0·38	−0·37	51·0	?	43	?
2. ENGLAND, N.E.	Alnwick Castle	72	46	65·4	51·3	57·9	+ 1·1	111	0	4	0·27	−0·35	*	*	*	*
	Durham	78	45	69·4	49·5	58·8	+ 0·2	118	0	3	0·38	−0·25	55·5	+19·1	47	+15
	Shields	77	44	68·3	49·7	58·4	+ 0·8	115	0	2	0·36	−0·19	*	*	*	*
	Scarborough (M)	81	48	70·6	52·9	61·1	+ 2·4	134	0	1	0·52	−0·08	*	*	*	*
	York	79	45	69·4	51·6	59·9	+ 0·4	125	0	2	0·31	−0·27				
	Spurn Head	75	52	68·0	55·3	61·2	+ 1·7	134	0	1	0·20	−0·18	*	*	*	*
3. ENGLAND, E.	Hillington (M)	81	47	73·4	49·8	60·8	+ 0·6	132	0	3	0·43	−0·21	63·4	+20·4	55	+16
	Yarmouth	77	49	67·0	54·0	60·1	+ 0·2	127	0	2	0·35	−0·25	*	*	*	*
	Geldeston	80	47	72·7	50·6	60·9	+ 0·7	132	0	2	0·24	−0·33	70·5	+24·8	62	+20
	Cambridge	80	47	73·9	51·0	61·7	+ 0·5	138	0	1	0·21	−0·34	65·6	+21·8	58	+19
	Rothamsted	79	43	73·4	49 2	60·5	+ 0·5	130	0	1	0·27	−0·35	70 1	?	62	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	81	46	71·0	50·4	60·0	− 0·2	126	0	2	0·29	−0·33	*	*	*	*
	Loughborough	81	45	73·3	50·6	61·2	0·0	134	0	2	0·25	−0·26	*	*	*	*
	Stamford (Ketton Hall)	80	44	73·0	49·6	60·5	− 0·7	130	0	2	0·17	−0·43	*	*	*	*
	Cheadle (M)	76	46	68·6	53·4	58·9	+ 1·3	118	0	2	0·54	−0·15	*	*	*	*
	Solihull	77	44	71·0	50·3	59·9	− 0·2	125	0	1	0·27	?	*	*	*	*
	Churchstoke (M)	75	44	68·7	48·9	58·1	+ 0·4	113	0	1	0·14	−0·44	65·7	+26·0	57	+22
	Hereford (M)	79	47	73·4	50·7	61·3	+ 1·1	135	0	1	0·01	−0·52	*	*	*	*
	Cirencester	77	44	71·6	49·4	59·7	+ 0·6	124	0	1	0·07	−0·58	71·9	+30·5	64	+27
	Oxford	78	47	72·7	52·7	62·0	+ 1·4	140	0	1	0 11	−0·46	71·6	+24·0	63	+25
	London	82	47	75·9	52·6	63·9	+ 1·6	153	0	1	0·14	−0·39	76·2†	+37·1†	67†	+32†
	North Foreland	74	52	69·7	55·3	62·0	+ 1·9	140	0	1	0·27	?	*	*	*	*
	Strathfield Turgiss (M)	80	44	70·7	49·4	62·1	+ 0·9	141	0	3	0·07	−0·45	*	*	*	*
	Dungeness	75	47	68·0	53·3	60·1	− 0·8	127	0	1	0·07	−0·53	*	*	*	*
5. ENGLAND, S.	Hastings (St. Leonards)	69	52	67·1	53·7	59·9	− 1·0	125	0	1	0·12	−0·55	70·9	+30·9	62	+28
	Southampton	77	49	75·0	53·5	63·5	+ 2·1	151	0	2	0·07	−0·45	65·9	+19·7	59	+17
	Hurst Castle	72	50	68·4	54·0	61·7	− 0·2	131	0	2	0·08	−0·42	*	*	*	*
	Stowell (M)	75	46	70·4	51·5	60·3	+ 0·5	128	0	4	0·15	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	45	61·1	51·5	56·0	− 0·7	98	0	7	2·32	+1·37	*	*	*	*
	Glasgow	71	45	62·8	50·9	56·4	− 0·9	101	0	5	0·65	−0·13	33·1	+ 1·1	28	+ 1
	Ardrossan	67	52	61·7	54·0	57·6	− 0·1	109	0	5	0·59	−0·05	*	*	*	*
	Glenlee (S)	66	45	64·7	48·2	55·9	− 0·6	97	0	5	0·72	−0·18	*	*	*	*
	Douglas (Isle of Man)	63	46	61·8	49·0	55·4	− 2·0	91	0	4	0·38	−0·26	38·3	− 9·4	31	− 9
7. ENGLAND, N.W.	Stonyhurst	73	48	64·2	50·8	57·0	− 1·3	105	0	4	0·98	−0·01	58·3	+19·8	50	+16
	Blackpool (M)	75	44	66·7	51·2	58·5	− 0·4	116	0	4	0·69	+0·04	53·6	+13·1	46	+11
	Manchester (Prestwich)	77	47	66·4	50·8	58·1	− 0·3	113	0	5	0·76	−0·06	56·2	?	48	?
	Liverpool Obsy. (Bidston)	77	51	66·9	53·4	59·7	+ 0·1	124	0	4	0·50	−0·13	*	*	*	*
	Llandudno (M)	74	51	65·8	52·7	58·8	− 0·9	118	0	5	0·87	+0·33	55·6	+15·9	47	+14
	Holyhead	66	51	62·9	52·3	57·2	− 1·5	106	0	4	0·30	−0·22	*	*	*	*
8. ENGLAND, S.W.	Llandovery	77	42	71·7	48·3	59·2	0·0	120	0	3	0·43	−0·41	*	*	*	*
	Pembroke	65	52	62·7	54·6	58·4	+ 0·4	115	0	1	0·07	−0·45	52·8	+ 5·8	47	+ 5
	Bristol (Montpelier)	80	51	73·5	55·3	63·8	+ 3·4	153	0	1	0·07	−0·54	*	*	*	*
	Arlington (N. Devon)	74	45	66·9	50·3	58·0	− 0·1	112	0	3	0 52	−0·49	*	*	*	*
	Cullompton (M)	75	45	71·2	50·8	60·3	+0·7	135	0	2	0·10	−0·55	56·3	+15·5	50	+14
	Falmouth	71	50	64·7	54·8	60·3	+ 0·6	128	0	2	0·21	−0·49	50·9	+ 1·0	45	+ 1
	Plymouth	68	48	65·8	53·2	59·1	− 2·1	121	0	3	0·15	−0·45	57·9	+15·4	52	+12
	Prawle Point	69	50	65·4	54·3	59·5	+ 0·9	123	0	3	0·15	−0·33	*	*	*	*
9. IRELAND, N.	Malin Head	65	51	60·0	54·1	56·8	− 0·1	104	0	6	0·96	?	*	*	*	*
	Londonderry	71	50	63·4	52·1	57·4	− 0·7	108	0	6	1·29	+0·53	*	*	*	*
	Edenfel (Omagh)	69	45	62·1	51·7	56·5	− 0·9	104	0	5	0·86	+0·14	*	*	*	*
	Belmullet	61	50	56·9	54·3	56·9	− 0·3	104	0	7	1·71	?	*	*	*	*
	Markree Castle	68	47	63·4	51·3	56·9	+ 0·5	104	0	7	1·01	+0·23	21·4	− 8·6	18	− 8
	Brookeborough	69	44	62·4	50·3	55·9	− 0·8	97	0	6	1·22	+0·47	*	*	*	*
	Armagh	71	46	63·9	50·4	56·7	− 0·9	103	0	6	0·67	0·00	23·3	− 9·5	20	− 8
	Donaghadee	72	46	64·6	50·3	57·0	− 0·1	105	0	5	0·56	−0·03	*	*	*	*
	Edgeworthstown												*	*	*	*
10. IRELAND, S.	Dublin	72	49	67·4	53·8	60·1	+ 0·3	127	0	2	0·24	−0·28	42·6	+ 5·6	37	+ 5
	Parsonstown	72	45	66·3	52·6	59·0	+ 0·9	119	0	5	0·33	−0·31	30·8	− 3·7	27	− 3
	Kilkenny	68	44	65·4	51·9	58·2	− 0·2	113	0	2	0·08	−0·45	*	*	*	*
	Roche's Point	68	50	64·9	53·7	58·9	− 0·7	118	0	3	0·12	−0·62	*	*	*	*
	Valencia	65	47	62·3	54·6	58·2	− 0·2	113	0	6	1·14	+0·27	24·6	− 12·4	22	−10
	Killarney	67	44	64·4	53·1	58·4	+ 0·4	115	0	7	0·87	?	*	*	*	*
	Foynes	70	48	63·6	53·2	58·0	− 0·2	112	0	4	0·35	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	72	56	66·6	57·1	61·5	+ 1·9	137	0	4	0·12	−0·41	42·9	?	39	?
	Jersey	78	51	69·3	55·9	62·1	+ 0·6	141	0	2	0·23	−0·30	55·9	+ 2·0	49	+ 1

Stations marked (M) are in connection with the Royal Meteorological Society, and those marked (S) with the Scottish Meteorological Society.

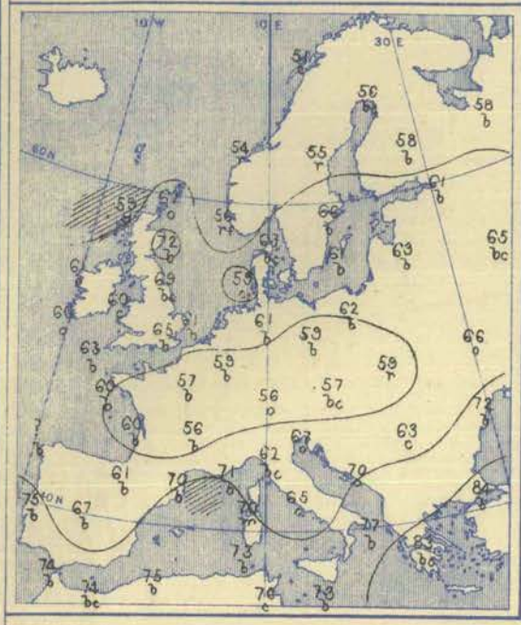
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

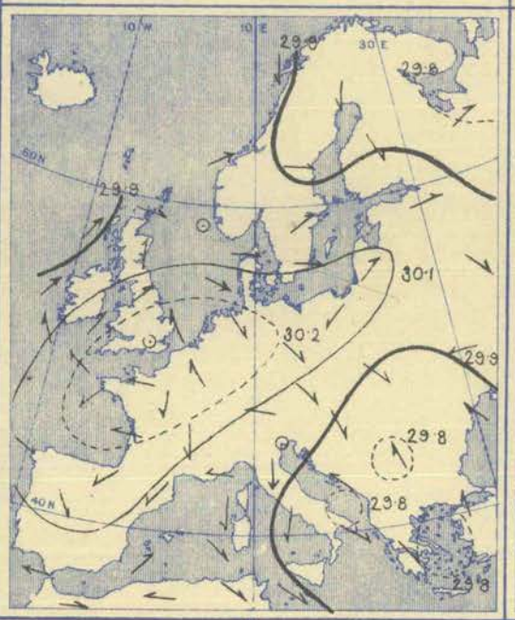
Erratum.—The Mean Maximum at Blackpool for week ending February 2nd, should have been 35·8.

Sunday, 7th July.

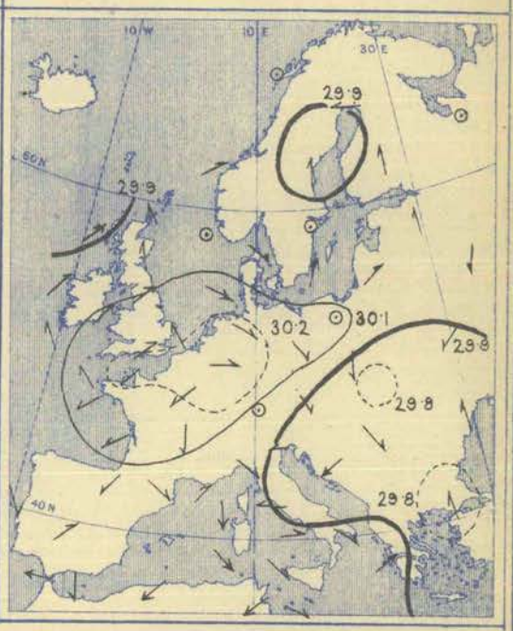
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain, France, many parts of central Europe, and the Baltic, dull and gloomy over the west and north-west of our Islands, with rain in places, rainy also over parts of Hungary and the north of Italy. Heavy rain later in the extreme west of Ireland and the Hebrides, and considerable quantities over Austria and at Kiev. Weather fine elsewhere.

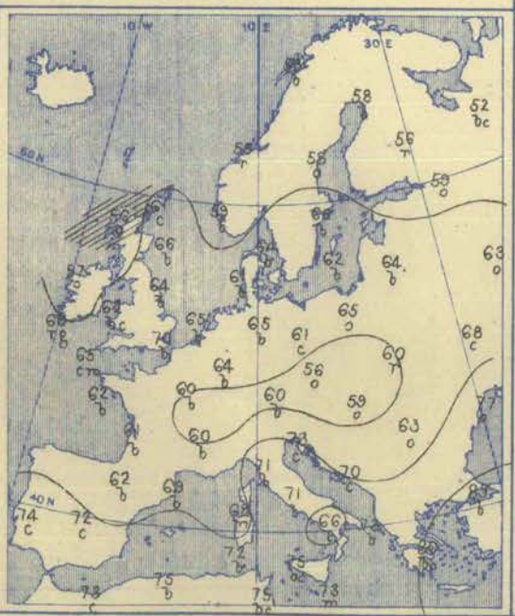
Temperature. Morning readings highest, 84° at Constantinople, 83° to 82° at the Greek stations, and above 70° on the shores of the Mediterranean as a whole; 72° at Aberdeen, 69° at Shields, and above 60° over the greater part of the British Islands. Lowest, (1) 51° at Bodö, 55° at Hernösand; (2) 51° at Belfort, 52° at Le Mans, 56° at Lyons and Prague, 57° at Paris. Rising later to between 75° and 80° over Great Britain, to 73° at Paris, 87° at Perpignan, 91° at Cagliari, Sfax, and Athens.

Wind light and anticyclonic over Spain, France, England, and western Germany; fresh to strong from South on our extreme north-western coasts; light but cyclonic over northern Europe, North-Easterly to Northerly in the north of Italy, North-Westerly over the eastern parts of the Mediterranean. The South-Westerly wind spreading more over our Islands later, very little change elsewhere.

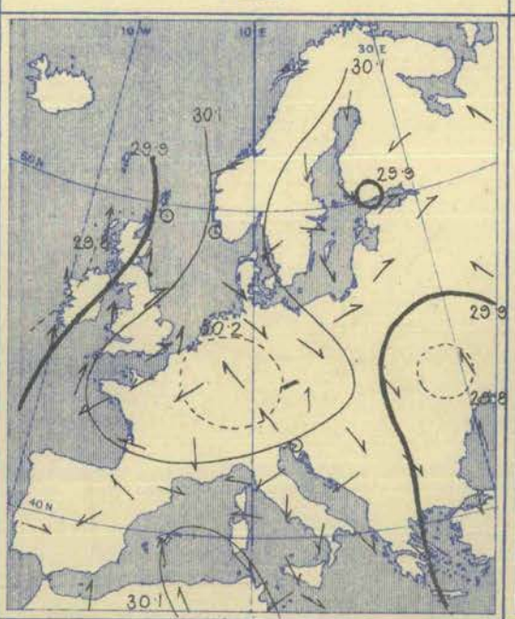
Barometer highest, 30·29 ins. at Brussels, and 30·2 ins. and more to 30·1 ins. in an anticyclone covering the greater part of western Europe. Lowest, below 29·9 ins. over northern Europe, and below 29·8 ins. in a complex set of systems over south-eastern Europe and the Adriatic. No decided change later except in far north, where the depression began to move southwards.

Monday, 8th July.

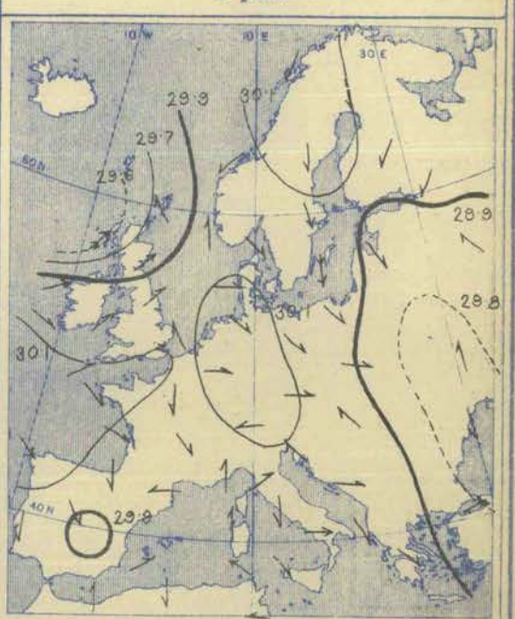
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western and southern Europe generally, but dull on our own extreme north-west coasts, and rainy in the south of Ireland, cloudy or dull at many of the Russian, German, and Austrian stations, with rain at Kuopio, Breslau, and Lemberg. Rain falling later over Ireland and the west of Scotland generally, slight showers in the north of England, in Hungary, and south of Russia, remaining fine in nearly all other parts of western Europe.

Temperature fallen in Ireland and Scotland, but risen in most other countries. Morning readings highest, 83° at Constantinople, 80° at Athens and Patras, 77° at Odessa, and 76° at Palma; above 70° over southern Europe generally, and varying between 65° and 70° in many parts of Great Britain. Lowest, (1) 53° at Le Mans, and 56° at Limoges and Prague; (2) 55° at Christiansund, 56° at Stornoway, and 57° at Belmullet. Rising during day to between 75° and 80° over the inland parts of England, and reaching 82° in London; exceeding 80° in the south of France and reaching 90° at Lisbon, 91° at Brindisi and Sfax.

Wind Southerly over our Islands generally, and fresh or strong in force over Ireland and the west of Scotland; light from the Eastward over France and also at some of the English Channel stations. Variable in Norway; Northerly in Sweden, and North-Westerly over Denmark, Germany, and Austria, but light from the Southward or South-Eastward at most of the Russian stations. Subsequently increasing to a gale from the South-Westward in the Hebrides; veering to the Westward in Ireland and falling moderate.

Barometer highest, 30·2 ins. and upwards over the Netherlands and western Germany. Lowest, 29·8 ins. and less in a depression lying off our extreme west coasts, and also in another disturbance over the extreme south-west of Russia, 30·0 ins. and less in a shallow area over the Gulf of Bothnia, Finland, and the Baltic. Depression to westward of our Islands subsequently travelling north-north-eastwards along our extreme north-west coasts; barometer rising again on our west coasts.

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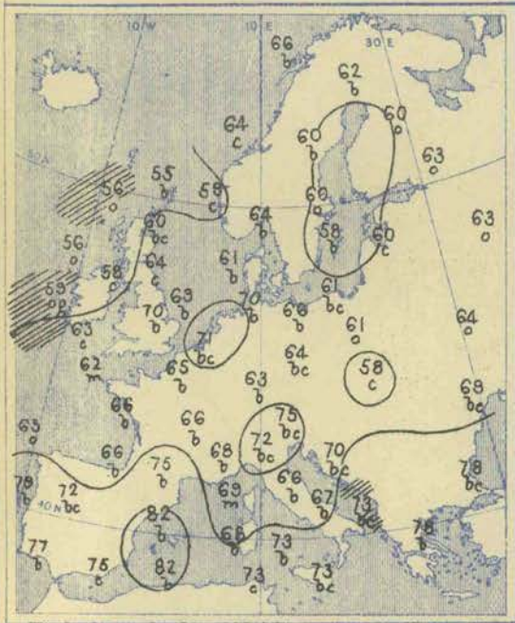
Tuesday, 9th July.

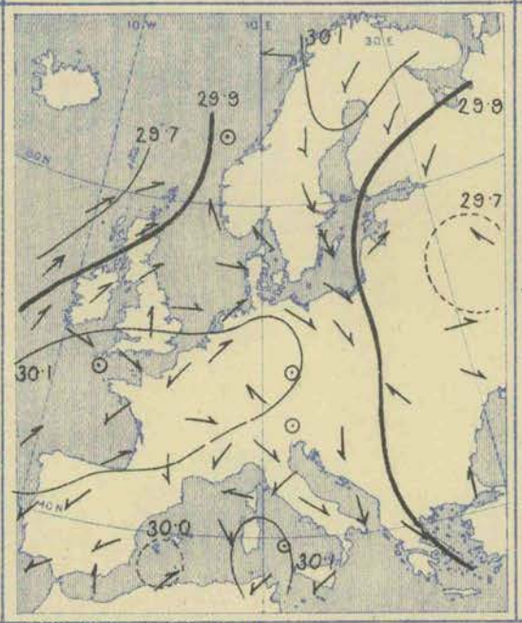
Temperature and Weather. 8 a.m.



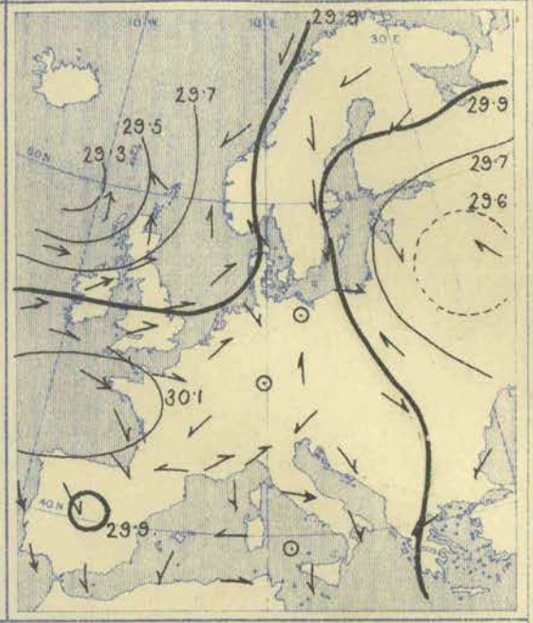
Weather in morning fine and bright over southern Europe, France, the North Sea, Scandinavia, and the greater part of England, dull and unsettled on our extreme western and north-western coasts, as well as over Finland and central Russia. Rain falling later on our western and northern coasts and in Norway, and over Russia—amounts considerable in the extreme north-west and north, heavy at Stornoway, thunderstorms at Vienna, sky becoming overcast over England.

Temperature in morning very irregularly distributed. Highest, 82° to 80° at several stations on western side of Mediterranean, and exceeding 70° at many stations in the south and south-east of Europe, 70° in London, 66° in Bodö, 64° at Christiansund. Lowest (1) 53° at Malin Head, 55° at Sumburgh Head, 56° at Wick and Belmullet; (2) 57° at Helsingfors, 58° at Lemberg, and also at Limoges. Rising later to between 75° and 79° over our inland districts, to 84° at Berlin and Paris, 86° at Lyons, and 89° at Perpignan and Palermo, 90° and more over Algeria.

Barometer and Wind. 8 a.m.



6 p.m.

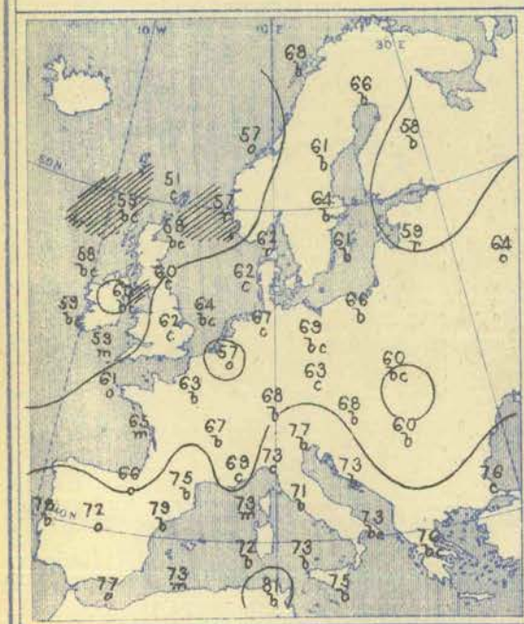


Wind (1) South-Westerly, moderate to strong on the western and northern coasts of our Islands light over England; (2) Northerly, fresh over Finland, Sweden, and the Baltic, Southerly light over central Russia; (3) very light and anticyclonic over the Bay of Biscay, France, and Germany. Blowing hard from South-West at our north-western and northern stations later.

Barometer highest 30·1 ins. and more both over France and Germany on the one hand, and over Lapland on the other, and above 30·0 ins. in a "col" uniting these regions. Lowest, 29·7 ins. and less in two depressions—one lying over central Russia, the other approaching our north-western coasts from the Atlantic. Latter disturbance proving rather deep later and travelling north-eastwards over the Hebrides.

Wednesday, 10th July.

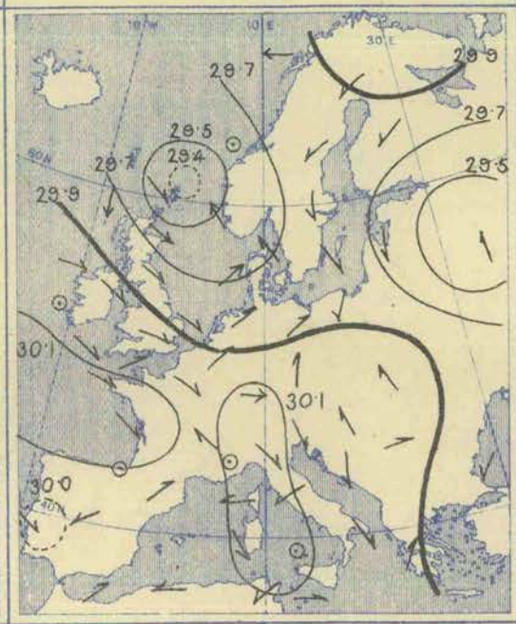
Temperature and Weather. 8 a.m.



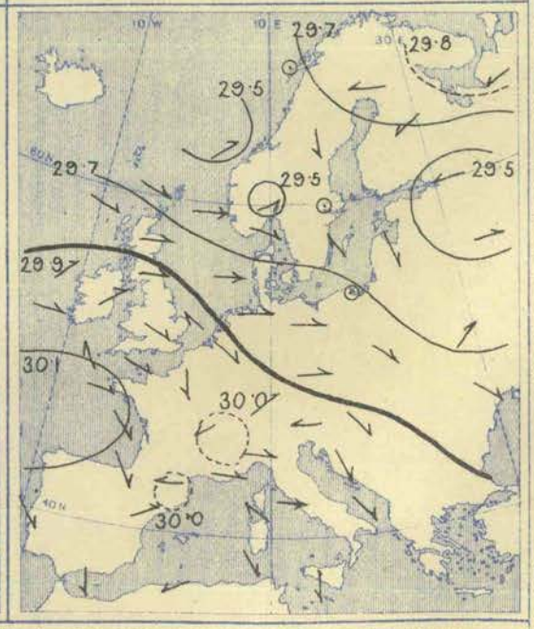
Weather in morning cloudy and unsettled over the north of Scotland and the eastern shores of the North Sea, and also on the eastern shores of the Baltic, with rain in several places, and an angry appearance at Wick, fine and bright both over northern and southern Europe, as well as over France and the greater part of England and Ireland. Considerable rain and thunderstorms over Russia later, rain at the Scaw, slight falls over Scotland and Ireland—weather fine over England, France, and Germany.

Temperature in morning highest 79° to 70° on the shores of south-eastern, southern, and south-western Europe, and exceeding 60° over France and Germany, as well as over Lapland and Sweden. Lowest, 51° at Sumburgh Head, 55° at Wick, 56° at Malin Head, 58° at Limoges, 56° at Helsingfors, 59° at Riga. Rising later to between 70° and 77° over England, 75° at Paris, 84° at Lisbon, 86° at Biarritz, and 88° at Lyons, 90° and more at several of the Mediterranean stations, but less high over Italy.

Barometer and Wind. 8 a.m.



6 p.m.



Wind (1) North-easterly over Finland and the Gulf of Bothnia, Easterly at Bodö, but Northerly to North-Westerly over the Baltic, South-Easterly (light) at Moscow; (2) North Westerly and Westerly, strong, over the north of our Islands, South-Westerly in Denmark, South-Easterly in the south of Norway; (3) Westerly in the south of our Islands, North-Westerly over the west of France, North-Easterly at Madrid, (4) very light and variable over central Europe and the Mediterranean; moderating in Scotland later.

Barometer highest (1) 30·1 ins. and more to 30·0 ins. over the Mediterranean, the Bay of Biscay, France, south Germany and the south-west of our Islands, (2) exceeding 29·9 ins. over Lapland. Lowest, 29·4 ins. and less in two depressions—one over central Russia, the other between the Shetlands and Norway; below 30·0 ins. in another over the south of Portugal. Depression near Shetlands moving East-South-Eastwards later, and reaching south of Sweden by evening.

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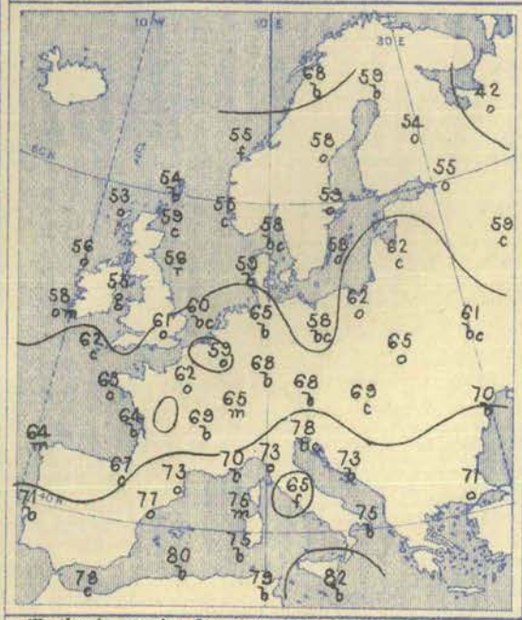
Thursday, 11th July.

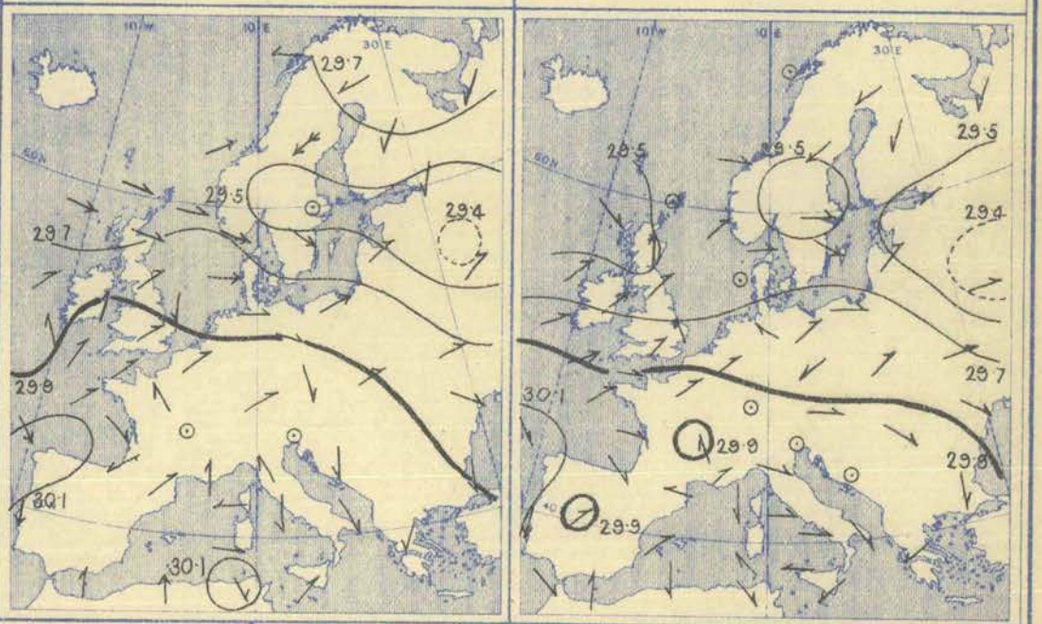
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over the Mediterranean, south-western, southern, and south-eastern Europe, also over Lapland and the north of Finland; cloudy or overcast over the United Kingdom, with rain over our northern counties, wet fog over the eastern parts of the Channel, dull over Russia and the Baltic, rainy in the Gulf of Finland. Rain falling later over all parts of our Islands and many parts of the Continent—most in the North and North-West, but considerable sunshine experienced over our south-eastern counties before the rain set in.

Temperature showing a tendency to decrease generally. Morning readings highest, 80° at Algiers, and exceeding 70° on the coasts of south-western, southern, and eastern Europe as a whole; exceeding 60° over central Europe and also at Bodö. Lowest, 42° at Archangel, 53° at Stornoway, 54° at Kuopio, Hangö, and Sumburgh Head, 58° at Berlin and Limoges. Rising later to between 70° and 76° over the inland parts of England, to 81° at Berlin, 84° at Paris, 85° at Perpignan, 91° at Lyons, and 93° to 95° over Algiers.

Barometer and Wind. 8 a.m. and 6 p.m.

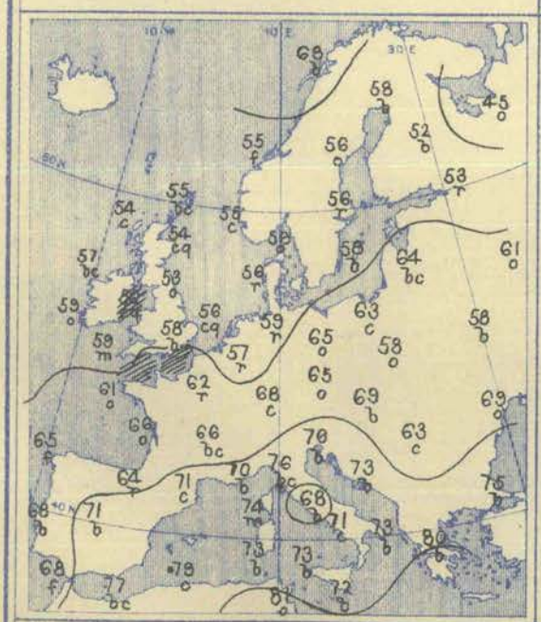


Wind (1) Easterly and moderate over Lapland and Finland, but Westerly, light, over Scotland, Westerly, strong, over the southern half of Norway, North-Westerly and Westerly over the Baltic; (2) South-Westerly to Southerly over Brittany and the western half of the Channel, South-South-Easterly in Ireland; (3) light and anticyclonic over Spain, France, central Europe, and the Mediterranean. Increasing in force later and varying greatly in direction over the British Isles during the day; finally shifting to North-West and blowing hard in some localities.

Barometer highest, (1) 30·3 ins. over the Azores, 30·1 ins. and more to 29·9 ins. over Spain, France, Germany, and the south of England; (2) 29·7 ins. and more over the north of Russia. Lowest, below 29·4 ins. in a complex system stretching from the south of Sweden to central Russia, and apparently below 29·9 ins. off the south of Ireland. Subsequent changes irregular, but new depression appearing off the north of Scotland in evening and travelling south-eastwards to the North Sea.

Friday, 12th July.

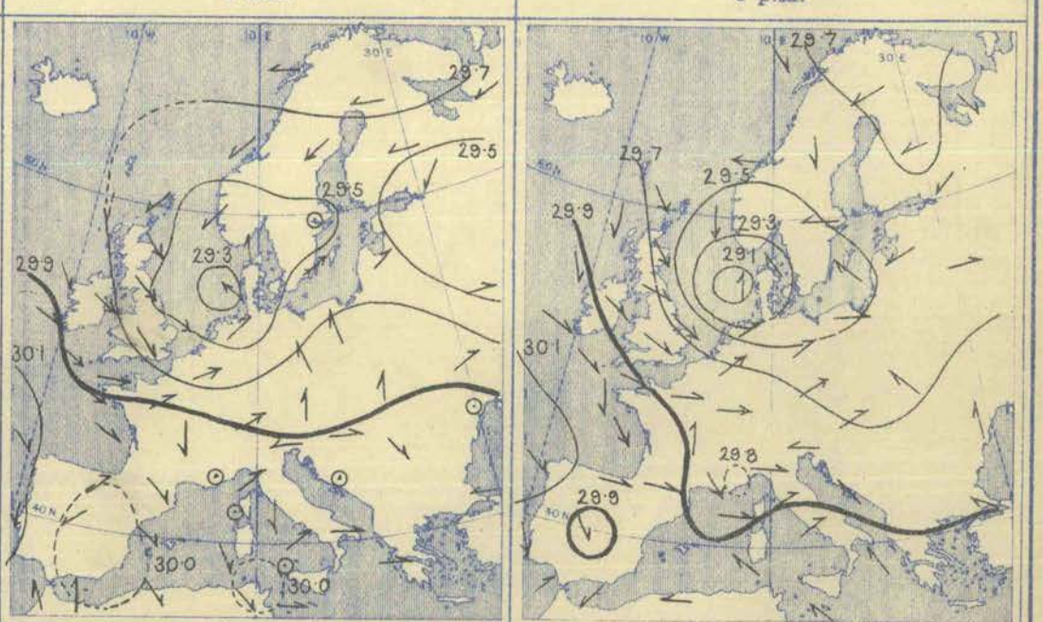
Temperature and Weather. 8 a.m.



Weather in morning fine and bright (1) over Finland and Lapland, (2) over the eastern parts of England, (3) over Algeria and south-eastern Europe; cloudy, changeable, and unsettled elsewhere, with rain at St. Petersburg and several of the Baltic stations, as well as on the eastern shores of the North Sea and in Belgium and the north-east of France. Slight showers in the west and north of our Islands and the Baltic later, considerable falls of rain over central Europe generally, and thunderstorm over Germany and Austria.

Temperature falling over north-western Europe. Morning readings highest, 81° at Sfax, 80° at Patras, and exceeding 70° on the shores of the Mediterranean and Adriatic generally; 65° to 90° over south Germany, and exceeding 60° on the south-east coasts of England and also at Bodö. Lowest, 45° at Archangel, 52° at Kuopio and at Wick, 54° at Aberdeen and Malin Head, 55° at Oxford, 57° at Brussels. Not touching 70° over our Islands (except at Hurst Castle) during the day, but reaching 72° at Berlin, 79° at Munich, and 80° to 83° over the Riviera, 86° at Rome, 90° at Cagliari, 93° at Sfax, and 102° at Laghouat.

Barometer and Wind. 8 a.m. and 6 p.m.



Wind light to moderate from East and North-East over northern Europe, fresh to a moderate gale from North-West over the British Isles and from West over the Netherlands, South-Easterly over north Germany and Denmark. Very variable and light over the Mediterranean and southern Europe. The North-Westerly wind moderating in strength over our Islands later, but a strong gale from North-West setting in on the Dutch coast.

Barometer highest, (1) 30·3 ins. and more over the Azores, and exceeding 29·9 ins. over the whole of south-western, southern, and south-eastern Europe, (2) 29·7 ins. and more over Lapland and the Kola Peninsula. Lowest, below 29·3 ins. in a well-marked depression lying over the eastern parts of the North Sea, and below 29·4 ins. in another over central Russia. The disturbance over the North Sea advancing over Denmark later and growing deeper; barometer rising on all our coasts.

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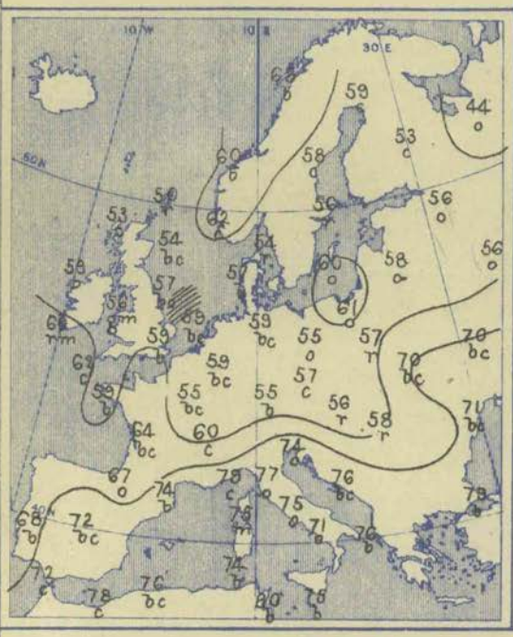
Saturday, 13th July.

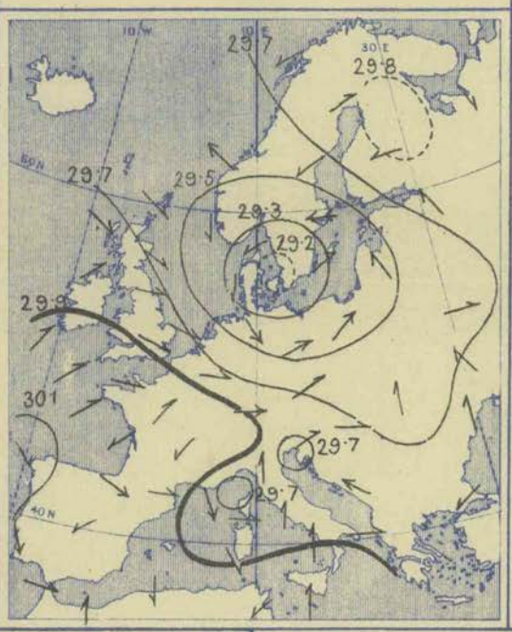
Temperature and Weather.

8 a.m.

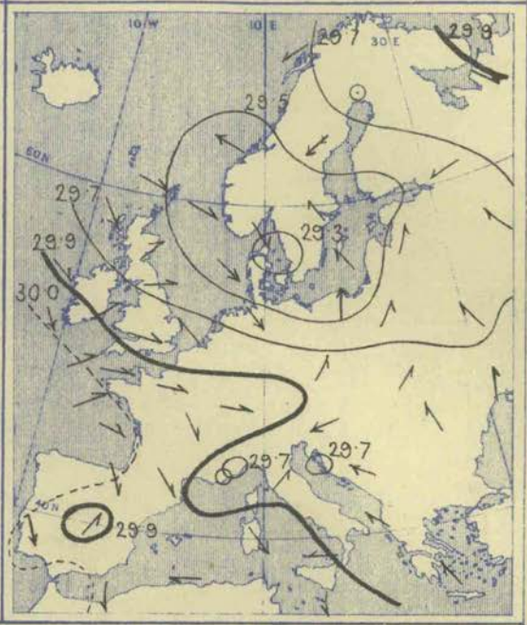


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of south-eastern Europe, the Mediterranean, Spain, France, and England, as well as in the north-west of Norway, cloudy or overcast and unsettled elsewhere, with rain over the greater part of north Germany, the Baltic, Denmark, and the south of Sweden. Considerable rain later over the Baltic and north Germany, and slight showers over the north-east and north-west of our Islands, but weather fine over our southern districts and France.

Temperature in morning highest, (1) 80° at Barcelona and Sfax, and exceeding 70° at most of the Mediterranean stations and on the coast of Portugal, 70° at Lemberg and Kiev; (2) 68° at Bodö, 60° at Christiansund. Lowest, 44° at Archangel, 50° at Sumburgh Head, 53° at Stornoway, 54° at Aberdeen; 53° at Münster and 55° at Berlin. Rising later to between 70° and 76° over the inland counties of England, to 73° at Paris, 84° at Nice, 86° at Perpignan, 91° at Oran and Sfax, 97° at Madrid.

Wind (1) Easterly and North-Easterly, moderate to a gale, over Scandinavia, North-Westerly to South-Westerly, a fresh gale over the Netherlands and north Germany, Westerly, moderate, over Austria; (2) light and anticyclonic over France and Great Britain, South-South-Westerly, light, over the west of Ireland; (3) separate cyclonic circulations over the northern parts of the Mediterranean, Italy, and the Adriatic. Shifting to North-West on our western coasts later.

Barometer highest, (1) 30·4 ins. over the Azores, 30·1 ins. to 30·0 ins. over Spain and the west of France; (2) 29·9 ins. and more over the south of Russia, and (3) 29·8 ins. and more over the north of Finland. Lowest, (1) below 29·2 ins. in a well-marked depression over Denmark and the south of Sweden, and below 29·7 ins. in two others, one over the northern parts of the Adriatic, the other over the Gulf of Genoa. A new disturbance being developed off the west of Norway later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➔ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week barometric pressure was highest (30·2 ins. and more to 30·1 ins.) in a well-formed anticyclone which lay over the greater part of western Europe, its centre being over Belgium. Depressions were appearing in two widely separated districts (1) off the west and north-west of our Islands, and (2) over south-eastern Europe; in each of these regions the weather was rainy, while in the anticyclonic areas which separated them the conditions were clear and bright. On Monday and Tuesday the changes were slight, but, on Wednesday, the highest pressures were found over south-western Europe and the neighbouring parts of the Atlantic, and another (slight) anticyclonic system was found over Lapland and the Kola Peninsula. The depressions which now appeared showed themselves first of all off the north-western and northern parts of Scotland, and travelled thence in south-easterly and easterly directions over the North Sea, the south of Scandinavia, and the Baltic, causing rain over the British Islands temporarily, and over the Baltic and central Europe more continuously, with thunderstorms in many places. Temperature fell decidedly over western Europe after this change occurred, and at the end of the week was rather below its mean value for the time of year.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 164.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	44·9	?	38	?	EASTBOURNE	74·8	?	67	?
OSWALDKIRK (Yorkshire)	60·0	?	52	?	MANCHESTER (Oldham Road)	46·2*	?	40*	?
WORKSOP					TENBY	59·5*	?	53*	?
THURCASTON (Leicestershire)	66·6	+29·8	58	+25	NEWQUAY		?		?
MARGATE	62·8	?	56	?	TORQUAY	58·3*	?	53*	?
WESTBOURNE (Sussex)	70·3*	?	63*	?	ARLEY COTTAGE (County Cavan)	26·4	?	23	?
BRIGHTON	66·2	?	59	?	GUERNSEY	55·4*	?	50*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 29. *Third Series.* | WEEK ENDING SATURDAY, JULY 20TH, 1895. | *Price 6d. Annual Subscription post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 170.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	38	56·8	48·6	53·8	1 below	83	+ 3	0	0	1001	+133	811	+242
	1. SCOTLAND, EAST	71	38	63·3	48·6	55·4	2 below	94	- 8	0	0	1154	+ 4	988	+415
	2. ENGLAND, N.E.	74	45	65·4	51·6	58·1	1 below	113	- 1	0	0	1259	+ 69	783	+277
	3. ENGLAND, EAST	78	44	69·3	53·0	60·6	0 (average)	132	+ 3	0	0	1454	+ 23	854	+283
	4. MIDLAND COUNTIES	77	46	66·2	52·9	59·1	2 below	129	- 1	0	0	1486	+ 47	934	+372
	5. ENGLAND, SOUTH	81	46	68·8	54·9	61·4	0 (average)	136	+ 5	0	0	1538	- 10	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	44	61·8	50·9	56·0	1 below	98	- 5	0	0	1251	+ 45	778	+334
	7. ENGLAND, N.W.	70	49	63·8	53·4	58·2	1 below	113	0	0	0	1329	+ 48	725	+303
	8. ENGLAND, S.W.	74	43	64·1	53·6	58·5	1 below	116	- 2	0	0	1464	+ 20	654	+337
	9. IRELAND, NORTH	73	39	63·2	50·1	56·2	1 below	99	- 5	0	0	1313*	+ 4	635*	+268
	10. IRELAND, SOUTH	69	44	63·4	51·3	56·9	2 below	104	-10	0	0	1452	- 47	479	+195
	—CHANNEL ISLANDS	69	48	65·8	56·0	60·5	1 below	130	+ 3	0	0	1621	+ 12	360	+248

Rainfall.

Bright Sunshine.

	DISTRICTS (See p. 170.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	9	1 more	122	-10	22·0	- 3·7	19	- 6	16	- 5	731	- 8	30	0
	1. SCOTLAND EAST	5	10	3 more	98	- 9	13·7	- 2·1	36	+ 4	30	+ 2	883	+100	37	+ 4
	2. ENGLAND, N.E.	5	9	3 more	101	+ 2	13·5	+ 0·5	35	+ 1	31	+ 1	907*	+143	35	+ 6
	3. ENGLAND, EAST	3	9	3 more	87	-10	10·3	- 2·7	36	- 7	32	- 7	1022	+109	40	+ 5
	4. MIDLAND COUNTIES	4	12	6 more	79	-17	11·6	- 3·0	24	-15	21	-14	973*	+158	37	+ 6
	5. ENGLAND, SOUTH	3	10	4 more	75	-18	9·4	- 4·4	46	- 2	41	- 1	1074	+119	40	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	12	4 more	103	-11	14·2	-12·2	33	- 4	29	- 4	918	+ 72	35	+ 3
	7. ENGLAND, N.W.	5	12	4 more	88	-16	13·7	- 2·8	25	- 8	22	- 8	861	+135	37	+ 6
	8. ENGLAND, S.W.	5	13	6 more	82	-25	14·8	- 4·8	36	- 8	32	- 7	1123	+205	45	+ 8
	9. IRELAND, NORTH	6	10	3 more	113	- 9	15·1	- 2·9	22	- 7	19	- 6	883	+102	34	+ 4
	10. IRELAND, SOUTH	5	12	5 more	93	-20	16·9	- 3·3	29	- 6	25	- 6	948	+ 40	36	+ 1
	—CHANNEL ISLANDS	4	11	6 more	95	-19	12·6	- 3·6	50	+ 7	46	+ 6	1272	+179	50	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during the early part of the week was fine in all the more eastern, central, and southern parts of our Islands, but changeable and showery in the west and north. After the 16th, however, unsettled weather spread gradually from the westward over the whole Kingdom, the rainfall of the 18th and 19th being in many places very heavy. Thunderstorms occurred in several parts of England on the 19th, and thunder was heard in a few isolated places on the 18th and 20th.

Temperature was slightly below the mean in all districts excepting England E. and S., where it agreed very closely with the normal. The highest readings were observed mostly on the 17th or 18th, and ranged from 81° in England S. and 78° in England E. to 69° in Scotland N., Ireland S., and the Channel Islands, and to 67° in Scotland W. The lowest readings occurred at various times in different parts of the country; at one or two stations in Scotland N. and E. and in Ireland N. the thermometer fell slightly below 40°, but in the Channel Islands it did not go below 48°, while in England N.W. 49° was the lowest reading reported.

Rainfall exceeded the mean in all districts, the excess being slight in Scotland N., but large over the central and southern parts of England. In the Midland Counties and the Channel Islands the amount recorded was twice as much as the mean.

Bright Sunshine was less than the mean in most districts, the deficiency being very large in the Midland Counties. In Scotland E., England N.E., and the Channel Islands, however, there was a slight excess. The percentage of the possible duration ranged from 16 in Scotland N. and 19 in Ireland N. to 41 in England S. and to 46 in the Channel Islands.

Barometer and Wind.—At the commencement of the week, barometrical pressure was highest in an anticyclone lying off our south-west coasts, and lowest in a complex depression over Scandinavia, the prevailing winds being Westerly or North-Westerly. Later on, however, a series of depressions advanced directly over our Islands from the Westward, the wind being mainly South-Westerly (Southerly to Westerly) over England and Ireland, but variable or Easterly in Scotland. On the 20th, when a well-marked depression moved north-eastwards across England, the South-Westerly wind blew strongly over our southern districts, and reached the force of a gale in the eastern parts of the Channel.

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213 70 7 | 95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 169 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	47	56·7	49·3	52·7	+ 0·2	75	0	6	0·84	+0·33	*	*	*	*
	Stornoway	64	43	58·9	46·9	52·5	− 2·0	74	0	4	0·84	+0·16	25·8	−6·2	22	− 5
	Wick	63	46	59·9	48·0	53·5	− 1·6	81	0	4	0·30	−0·22	*	*	*	*
	Glencarron ℛ	67	38	59·5	45·7	52·1	− 2·4	71	0	6	1·39	0·00	*	*	*	*
	Fort Augustus ℛ	69	45	62·8	50·1	56·0	− 0·5	98	0	6	0·92	+0·21	11·4	?	10	?
	Fort William ℛ	67	49	60·9	51·5	55·9	− 0·9	97	0	6	1·10	−0·11	18·8	?	16	?
1. SCOTLAND, E.	Nairn	71	42	65·0	47·1	55·4	− 2·0	94	0	5	0·61	+0·01	*	*	*	*
	Aberdeen	69	46	62·1	50·6	56·0	− 1·1	98	0	6	0·91	+0·25	41·6	+3·4	35	+ 2
	Braemar ℛ	65	38	60·4	45·9	52·7	− 1·9	75	0	5	1·16	+0·48	27·3†	?†	23†	?†
	Ochtertyre ℛ	69	42	64·3	48·3	55·7	− 1·3	96	0	5	1·25	+0·48	*	*	*	*
	Leith	71	49	65·7	51·1	57·9	− 0·7	111	0	6	0·74	+0·10	*	*	*	*
	Marchmont ℛ	67	40	62·1	48·3	54·7	− 2·2	89	0	5	1·36	+0·57	37·5	?	32	?
2. ENGLAND, N.E.	Alnwick Castle	69	48	64·0	50·7	56·9	− 0·5	104	0	5	1·04	+0·37	*	*	*	*
	Durham	74	45	66·3	49·3	57·2	− 1·9	106	0	5	1·16	+0·48	38·3	+1·3	33	+ 1
	Shields	73	46	64·7	50·6	57·2	− 0·8	106	0	3	0·55	−0·07	*	*	*	*
	Scarborough ℳ												*	*	*	*
	York	73	49	67·1	53·0	59·6	− 0·2	123	0	6	1·44	+0·82	37·0	+0.7	33	+ 1
	Spurn Head	72	51	65·1	54·4	59·4	− 0·5	122	0	5	0·36	−0·04	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	77	44	68·1	52·0	59·5	− 1·1	123	0	4	0·38	−0·30	33·0	−10·8	29	−11
	Yarmouth	72	50	67.9	54·4	60·7	+ 0·2	131	0	3	0·40	−0·25	*	*	*	*
	Geldeston	78	47	71·0	53·2	61·5	+ 0·8	137	0	3	0·68	+0·08	45·4	−1·3	41	− 2
	Cambridge	77	48	70·6	53·1	61·2	− 0·4	134	0	3	0·79	+0·24	35·0	−9·1	31	− 9
	Rothamsted	77	50	69·1	52·4	60·2	− 0·1	127	0	3	2·26	+1·63	30·6	?	27	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	48	67·7	53·1	59·9	− 0·5	125	0	4	1·31	+0·69	*	*	*	*
	Loughborough	75	48	67·0	54·0	60·1	− 1·3	127	0	4	1·90	+1·38	*	*	*	*
	Stamford (Ketton Hall)	75	47	68·6	52·9	60·2	− 1·2	127	0	3	1·08	+0·48	*	*	*	*
	Cheadle ℳ	69	46	63·2	51·3	56·8	− 6·2	104	0	5	1·65	+0·95	*	*	*	*
	Solihull	73	49	64·9	52·1	58·1	− 2·1	113	0	5	1·42	?	*	*	*	*
	Churchstoke ℳ	69	50	64·1	52·9	58·1	+ 0·1	113	0	5	0·49	−0·11	21·1	−18·6	19	−16
	Hereford ℳ	72	51	67·3	53·9	60·1	− 0·3	127	0	5	0·77	+0·22	*	*	*	*
	Cirencester	74	49	65·6	52·7	58·7	− 0·6	117	0	3	1·12	+0·42	24·4	−17·0	22	−15
	Oxford	77	50	67·1	53·6	59·9	− 1·0	125	0	5	1·46	+0·86	29·4	−13·4	25	−12
5. ENGLAND, S.	London	81	50	71·7	55·1	62·8	+ 0·3	146	0	4	0·84	+0·32	36·3†	−3·5†	32†	− 4†
	North Foreland	72	51	69·0	55·9	62·0	+ 1·1	140	0	3	0·18	?	*	*	*	*
	Strathfield Turgiss ℳ	80	46	71·4	52·3	61·2	0·0	134	0	4	1·30	+0·77	*	*	*	*
	Dungeness	73	50	67·3	56·7	61·6	+ 0·1	137	0	3	0·19	−0·26	*	*	*	*
	Hastings (St. Leonards)	76	50	67·6	54·8	60·8	− 0·7	132	0	3	0·58	+0·08	52·6	+2·4	48	+3
	Southampton	73	50	69·4	55·1	61·8	0·0	139	0	3	1·50	+0·90	42·5	−4·3	39	− 3
	Hurst Castle	72	54	67·7	56·7	61·8	+ 0·3	139	0	3	1·26	+0·76	*	*	*	*
	Stowell ℳ	72	50	66·3	52·9	59·1	− 1·0	120	0	4	1·78	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	47	61·9	51·2	56·2	− 0·8	99	0	7	1·70	+0·45	*	*	*	*
	Glasgow	67	48	62·4	51·0	56·3	− 1·0	100	0	6	1·31	+0·50	31·3	+ 1·8	27	+ 1
	Ardrossan	63	51	61·0	53·0	56·7	− 1·2	103	0	6	1·22	+0·55	*	*	*	*
	Glenlee ℛ	65	44	61·7	48·7	54·8	− 1·9	90	0	6	1·18	+0·20	*	*	*	*
	Douglas (Isle of Man)	64	46	62·2	50·7	56·1	− 1·2	99	0	5	0·74	+0·04	34·0	− 9·7	30	− 9
7. ENGLAND, N.W.	Stonyhurst	67	49	62·4	52·8	57·3	− 1·2	107	0	6	1·47	+0·43	28·0	−9·0	25	− 8
	Blackpool ℳ	69	50	65·1	53·7	59·0	− 0·5	119	0	6	0·58	−0·16	28·9	−11·1	25	−10
	Manchester (Prestwich)	70	49	63.3	53·1	57·8	− 0·6	111	0	5	1·64	+0·76	19·9	?	17	?
	Liverpool Obsy. (Bidston)	69	51	65·0	53·4	58·8	− 1·1	118	0	5	0·88	+0·20	*	*	*	*
	Llandudno ℳ	68	53	65·0	54·3	59·3	− 0·7	121	0	5	1·41	+0·81	32·4	−4·6	29	− 4
	Holyhead	65	51	62·0	53·1	57·2	− 1·8	106	0	5	0·91	+0·37	*	*	*	*
8. ENGLAND, S.W.	Llandovery	71	50	65·7	53·0	58·9	− 0·5	118	0	6	1·84	+0·93	*	*	*	*
	Pembroke	61	52	60·3	54·4	57·1	− 1·4	106	0	6	1·03	+0·45	42·1	− 2·9	38	− 3
	Bristol (Montpelier)	74	54	67·7	55·7	61·3	+ 0·7	135	0	5	1·39	+0·67	*	*	*	*
	Arlington (N. Devon)	66	49	62·7	51·4	56·7	− 1·7	103	0	6	1·51	+0·42	*	*	*	*
	Cullompton ℳ	72	43	66·5	51·8	58·6	− 1·1	116	0	5	1·11	+0·44	31·1	− 8·6	28	− 8
	Falmouth	66	52	64·2	53·6	58·5	− 1·4	116	0	5	1·30	+0·55	39·3	− 7·7	36	− 7
	Plymouth	66	52	63·0	54·8	58·6	− 2·7	116	0	4	1·27	+0·63	30·5	−12·5	28	−12
	Prawle Point	67	50	62·4	53·9	57·9	− 1·3	111	0	4	1·16	+0·63	*	*	*	*
9. IRELAND, N.	Malin Head	64	52	60·6	53·0	56·5	− 0·9	102	0	6	0·83	?	*	*	*	*
	Londonderry	71	48	65·6	50·8	57·7	− 0·6	110	0	7	0·81	+0·01	*	*	*	*
	Edenfel (Omagh)	76	42	65·4	50·1	57·2	− 0·3	106	0	6	0·88	+0·11	*	*	*	*
	Belmullet	65	49	61·4	52·4	56·6	− 1·1	102	0	6	0·91	?	*	*	*	*
	Markree Castle	66	40	63·3	47·9	55·1	− 1·5	92	0	6	1·22	+0·48	21·4	− 7·3	19	− 7
	Brookeborough	67	43	63·3	50·4	56·4	− 0·6	101	0	7	1·28	+0·47	*	*	*	*
	Armagh	67	46	64·0	50·2	56·6	− 1·0	102	0	6	1·41	+0·69	23·8	− 6·8	21	− 5
	Donaghadee	70	46	62·3	50·1	55·8	− 1·4	97	0	6	0·85	+0·19	*	*	*	*
	Edgeworthstown	67	39	62.6	45·7	53·6	− 4·0	81	0	6	1·00	+0·15	*	*	*	*
10. IRELAND, S.	Dublin	69	52	65·3	53·9	59·2	− 0·7	120	0	6	0·75	+0·20	30·5	− 5·3	27	− 5
	Parsonstown	66	47	64·3	50·4	56·9	− 1·7	104	0	5	0·43	−0·25	24·2	− 8·7	21	− 8
	Kilkenny	68	46	64·3	51·6	57·5	− 0·9	109	0	6	1·13	+0·55	*	*	*	*
	Roche's Point	64	48	62·9	51·9	57·0	− 2·9	105	0	5	1·61	+0·85	*	*	*	*
	Valencia	64	46	61·7	50·6	55·8	− 2·9	97	0	5	2·11	+1·23	31·6	− 3·6	28	− 4
	Killarney	66	44	63·1	50·0	56·1	− 2·1	99	0	6	1·25	?	*	*	*	*
	Foynes	67	46	61·9	50·7	55·9	− 2·4	97	0	5	1·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	66	53	64·9	55·6	59·9	− 0·2	125	0	4	1·08	+0·51	33·5	?	31	?
	Jersey	69	48	66·7	56·3	61·1	− 1·1	134		3	1·19	+0·65	58·7	+ 6·5	54	+ 6

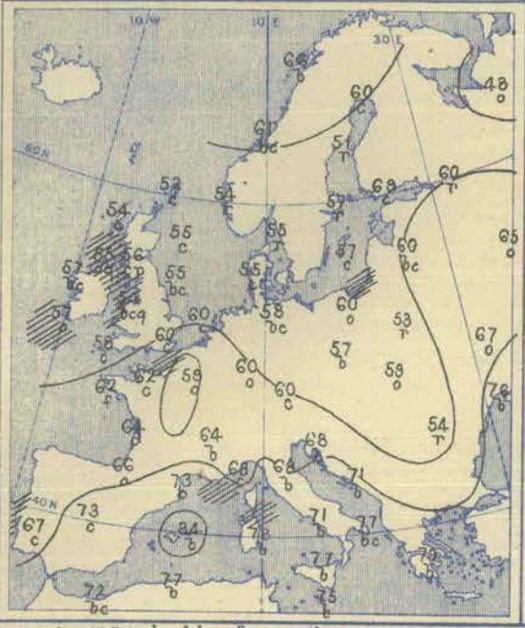
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℛ with the Scottish Meteorological Society.

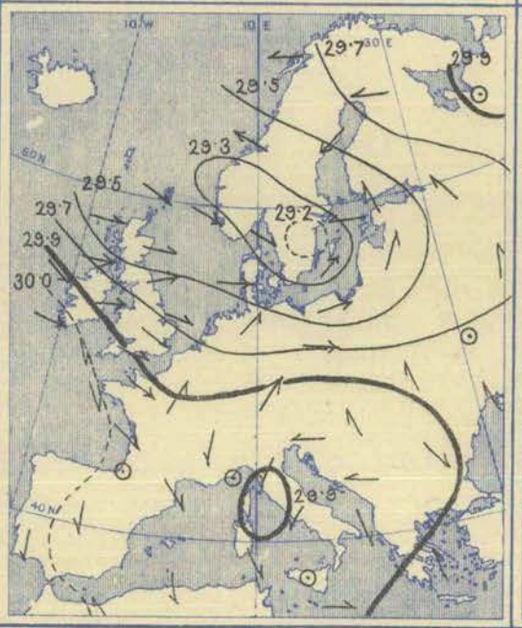
* An asterisk is inserted in all places for which the information is not usually received.

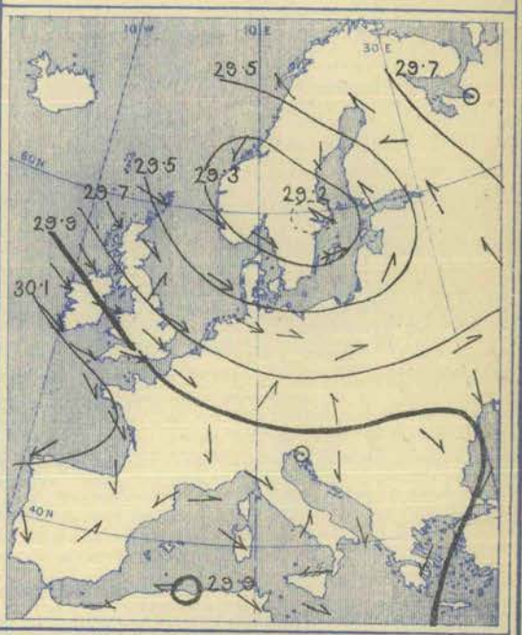
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 14th July.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fair or fine over the greater part of western, central, and southern Europe, but showery in the west of Scotland. Dull and unsettled over Sweden, Denmark, north Germany, and the south of Norway, with rain in many places. Showers falling during day in the northern parts of out Islands, and considerable amounts of rain in Sweden, Denmark, Germany, and Russia; thunderstorms occurring at Moscow and Gruenberg.

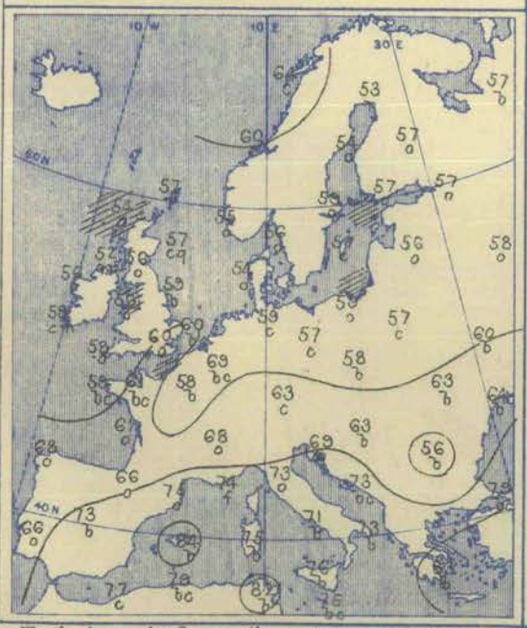
Temperature risen a little over north-western Europe generally; changed rather irregularly elsewhere, but fallen a little in most places. Morning readings highest, 84° at Palma, 79° at Barcelona, Athens, and Oran, and 78° at Cagliari and Sfax; above 70° over southern Europe as a whole, and above 65° in the extreme South-east of England, as well as in the north-west of Norway. Lowest, (1) 48° at Archangel, and 51° at Hernösand; (2) 52° at Sumburgh Head and 54° at Stornoway and Holyhead. Rising during day to between 65° and 70° in most parts of England, and reaching 73° at Dungeness; exceeding 80° over Spain northern Italy, and the south of France, the highest reading of all being 99° at Madrid.

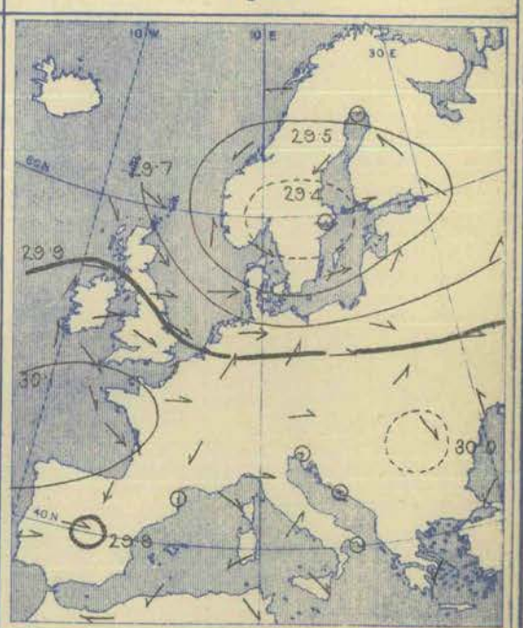
Wind Westerly or North-Westerly over our Islands and the neighbouring parts of the Continent, and strong in force on our north-east and north-west coasts. Moderate to strong from the South-Westward over Germany and the Baltic; Easterly or North-Easterly over the greater part of Scandinavia. Light and variable over southern Europe generally, but North-Westerly in the south of France. No important change occurring later, but wind in our Islands veering rather more to the Northward, and increasing in strength in many places.

Barometer highest, 30·0 ins. and upwards in an anticyclone extending from the Atlantic over the extreme south-west of Ireland, the Bay of Biscay, and the western parts of the Spanish Peninsula; 29·9 ins. and upwards over south-western and southern Europe generally, and also over northern Russia. Lowest, 29·2 ins. and less in a well-marked depression over the south of Sweden. Depression remaining fairly stationary throughout day; Atlantic anticyclone continuing to spread eastwards.

Monday, 15th July.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.





Weather in morning fine over the greater part of England, but dull in Ireland and Scotland, with rain in Caithness and the Shetlands, and passing showers at Malin Head. Dull over northern Europe, as well as in the south-west of France and the north of Spain; fine in other parts of the Continent. Rain falling later in Ireland and the north of Scotland, as well as in Sweden, Denmark, and the northern parts of Russia and Germany, heavily at Riga and Cuxhaven.

Temperature changed little and irregularly. Morning readings highest, 84° at Palma, 83° at Athens, 82° at Tunis, and 79° at Patras, Constantinople, and Algiers; above 70° over southern Europe generally, and above 60° in the north-west of Norway. Lowest, 52° at Sumburgh Head, Wick, and Malin Head, 54° at Stornoway and Nairn, and 55° at Parsonstown. Rising during day to 65° and upwards in many parts of Great Britain, and reaching 70° at Hurst Castle; exceeding 80° over southern Europe generally, the highest readings of all being 94° at Madrid, and 93° at Perpignan.

Wind Westerly or North-Westerly over our Islands and the North Sea, and strong in force on many parts of our northern coasts. Moderate to strong from the West or South-West over Denmark, Germany, and the Baltic, with a gale at Fanö; Southerly over the Gulf of Finland; Easterly or North-Easterly over the northern parts of Scandinavia. Light from the Northward in many parts of southern Europe and also in the west of France, but variable over the Spanish Peninsula. Subsequently backing to the South-Westward or Southward in the west of Ireland; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the Bay of Biscay, the west of France, and the extreme south-west of our Islands, 30·0 ins. and upwards over a considerable portion of central and southern Europe. Lowest, 29·3 ins. and less in two depressions, one lying over the south of Sweden, and the other off the south-west of Norway. Depressions filling up gradually during day, but new disturbance approaching the extreme west of our Islands in evening.

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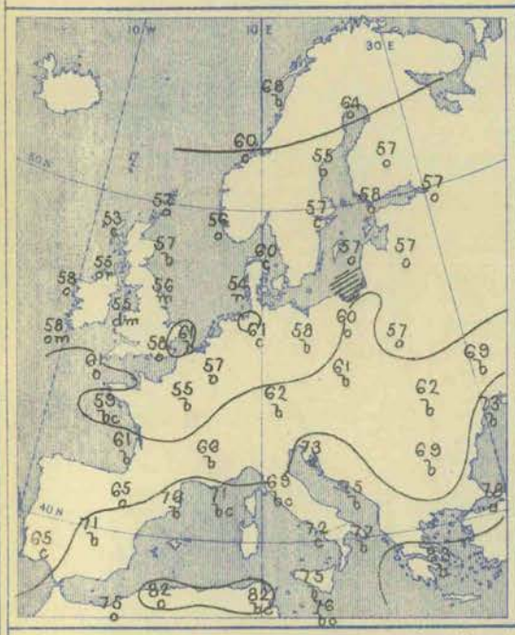
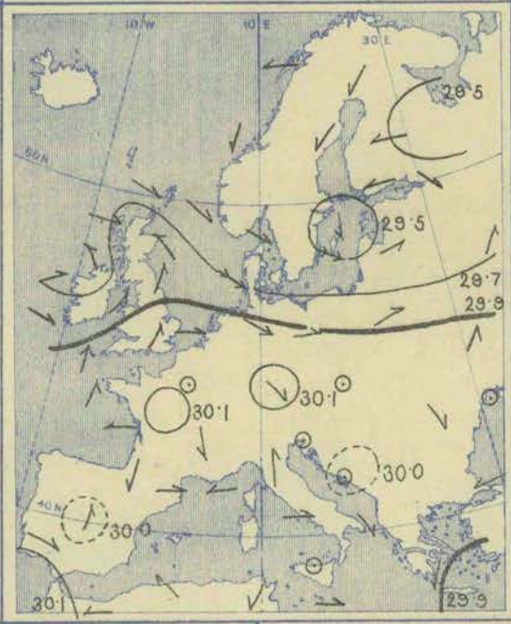
Tuesday, 16th July.

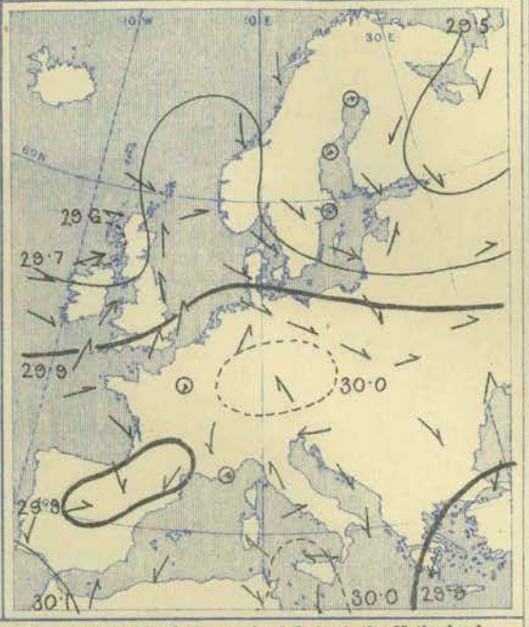
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over northern and north-western Europe generally, with rain at several of our own western stations, as well as at Fanö and Helsingfors. Fine and bright over the central and southern countries. Rain falling later in the west and north of our Islands, as well as at some of the Swedish and Russian stations. Thunderstorms occurring in the south-west of France, and lightning at Lyons.

Temperature changed little and irregularly. Morning readings highest, 83° at Athens, 82° at Algiers and Tunis, 80° at Patras, and 79° at Sfax: above 70° over southern Europe generally, and above 65° in the north-west of Norway. Lowest, (1) 52° at Sumburgh Head, 53° at Stornoway, and 55° at Wick, Nairn, Ardrossan, Malin Head, and Holyhead; (2) 50° at Le Mans and 55° at Paris. Remaining below 60° all day on our extreme north and north-west coasts, but exceeding 65° at many of our western and southern stations, and reaching 70° at Donaghadee and in London. Exceeding 85° in several parts of southern Europe, the highest reading of all being 93° at Cape Bearn.

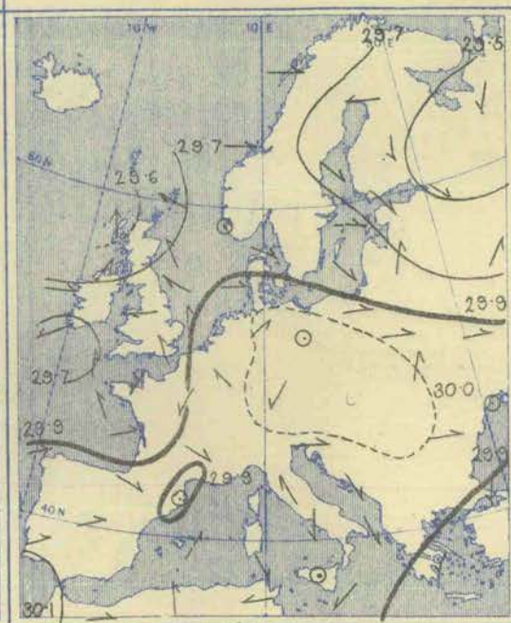
Wind light to fresh from the South-West over England, the south of Ireland, the Netherlands, and the north of France, but South-Easterly in the north of Ireland. Light from the Westward or North-Westward in the north of Scotland; moderate to strong from the same quarters over the North Sea and the south of Scandinavia, with gales at Fanö and Wisby; fresh or strong from the South-Westward on the southern shores of the Baltic; North-Easterly in the north of Scandinavia. Easterly or North-Easterly in the west of France, light and variable over the whole of southern Europe. Subsequently veering to South-West in the north of Ireland. Shifting to the North-Westward in the west of France.

Barometer highest, 30·0 ins. and upwards over nearly the whole of central and southern Europe. Lowest, 29·5 ins. and less in two depressions, one lying over Finland and the other over the northern parts of the Baltic, 29·6 ins. and less in a well-marked system off the north-west of Ireland. Irish depression subsequently moving slowly north-eastwards; barometer rising again on our west coasts, but falling in the north and east. Disturbances over northern Europe moving north-eastwards and partially filling up.

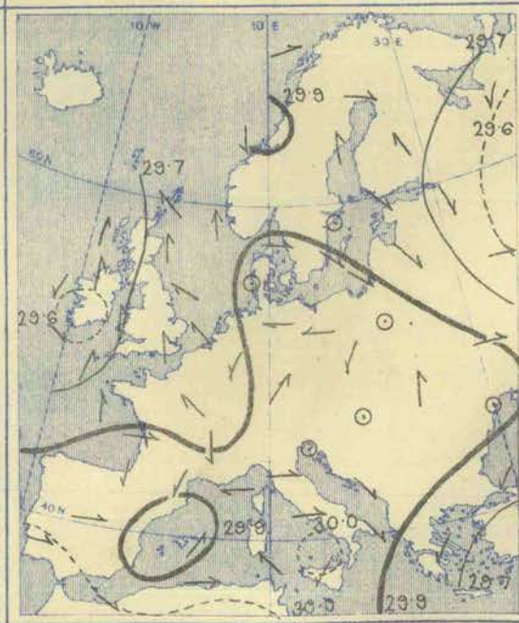
Wednesday, 17th July.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning showery on our south-west coasts, and rainy in the north of England, as well as in the Shetlands and Hebrides. Fine in other parts of our Islands and also at most of the Continental stations, but dull over eastern Germany and the south of Sweden. Rain falling during day in many parts of western Europe, amounts mostly slight, but heavy at Valencia (Ireland), Clermont, and Besançon. Thunderstorms occurring in France, western Germany, and some parts of northern Italy.

Temperature risen over Great Britain, France, and the Netherlands, but changed irregularly elsewhere. Morning readings highest, 91° at Tunis, 85° at Sfax, 84° at Athens, and 83° at Patras; above 75° at several of the Mediterranean and Adriatic stations, and above 70° over southern Europe generally. Lowest, (1) 52° at Archangel, 53° at Kuopio, and 55° at Hangö, St. Petersburg, and Moscow; (2) 52° at Sumburgh Head and 54° at Stornoway. Rising during day to 75° and upwards over the eastern and central parts of England, and reaching 81° in London. Exceeding 85° at several stations over southern Europe, the highest readings of all being 93° at Cape Bearn and 91° at Florence and Rome.

Wind light to moderate from the Westward over the Spanish Peninsula and the west of France, and from the Southward over Great Britain and the north of Ireland, but Easterly in the south of Ireland. Light from the North-Eastward in Lapland and the extreme north of Russia; Westerly or North-Westerly over Scandinavia, Denmark, the Baltic, and the western and southern parts of Russia. Calm or variable in Austria and also in the south of France, light from the Northward in Italy. Well-marked cyclonic circulation setting in later over Ireland; wind backing to the Southward in the south of Norway and to the Westward in Italy.

Barometer highest, 30·1 ins. and upwards over Morocco and the extreme south of Spain; 30·0 ins. and upwards over Germany and Austria. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·6 ins. and less in another disturbance off the north-west of Scotland; 29·7 ins. and less in a third system off the south of Ireland. Russian depression subsequently moving south-eastwards, and Scotch disturbance passing away to the northward. Depression off the south of Ireland advancing directly over that country, and barometer falling in most parts of our Islands.

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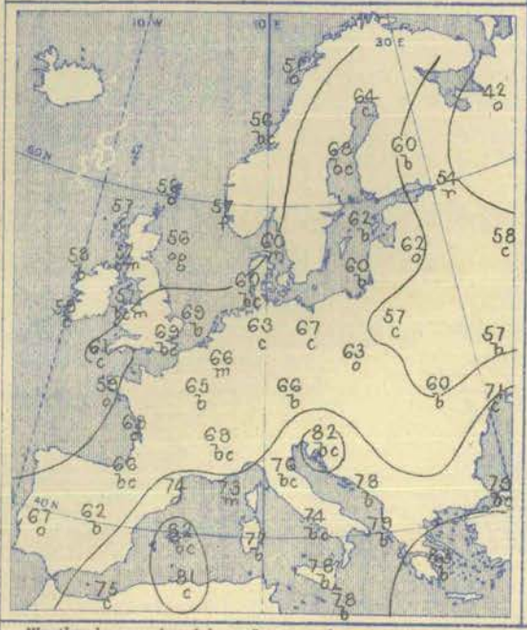
Thursday, 18th July.

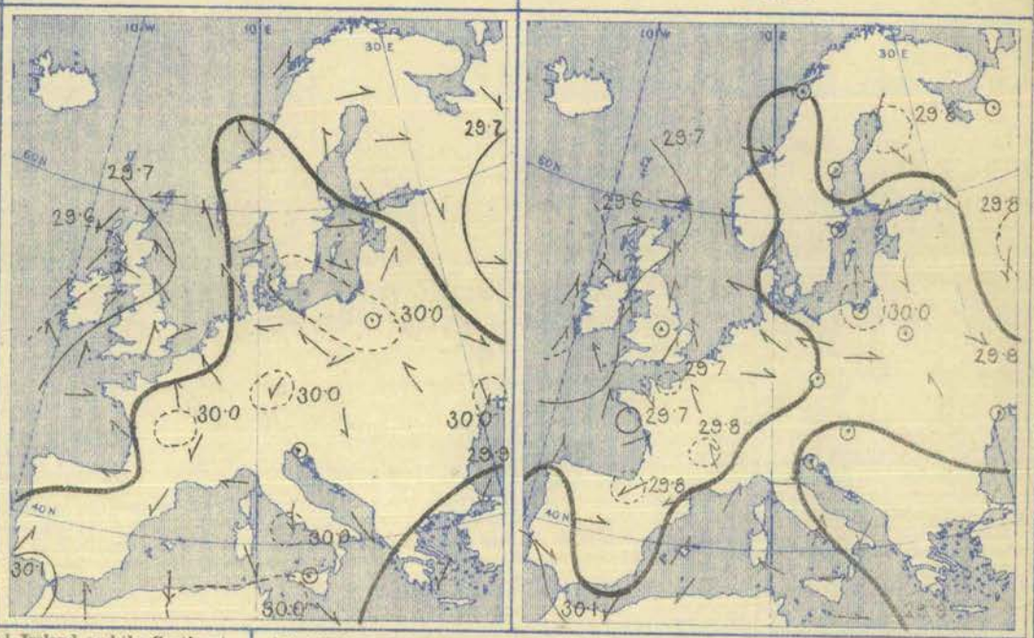
Temperature and Weather. 8 a.m.



Weather in morning fair or fine over the greater part of England, Ireland, and the Continent, but dull, with mist or fog, in Scotland, as well as at some of the English Channel stations and showery at Malin Head. Cloudy also in northern and central Russia, with rain at St. Petersburg. Considerable falls of rain occurring later over England, as much as 1·2 ins. at Loughborough and 1·0 in. at York, and smaller quantities in most other parts of western Europe. Thunderstorms occurring at some of the French stations, as well as at Vienna and Aumale.

Temperature risen at all but the Spanish and southern French stations. Morning readings highest, 83° at Athens, 82° at Trieste, Patras, and Palma, and 81° at Algiers and Aumale, above 75° in many parts of southern Europe, and above 65° in the east and south-east of England, as well as in central Sweden. Lowest, (1) 43° at Archangel; (2) 51° at Bodö; (3) 54° at Wick, and 56° at Sumburgh Head and Malin Head. Rising during day to 70° and upwards in many parts of Great Britain, and to 76° in London and at Cambridge. Exceeding 80° over central and southern Europe generally, and reaching 97° at Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.

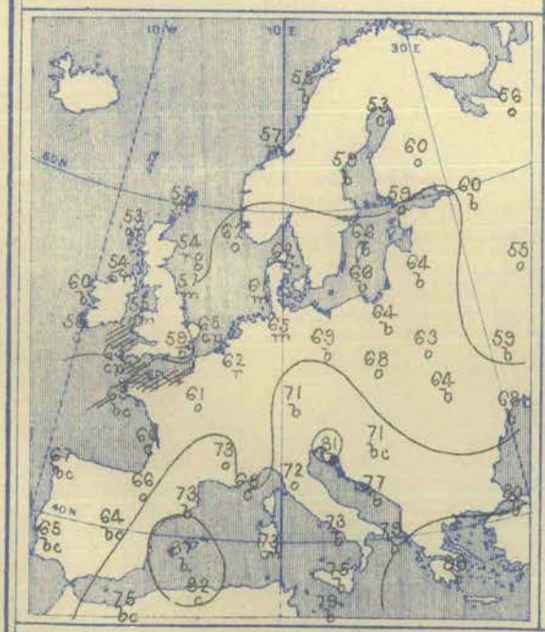


Wind light to moderate from the Southward or South-Westward over Ireland and England, and from the South-Eastward on the eastern shores of the North Sea, but Easterly at some of the Scotch stations. Light from the Westward or North-Westward in Russia; variable in Austria; North-Westerly in Italy. Easterly over the southern parts of France; variable over the Spanish Peninsula. Subsequently backing to the South-Eastward on our own western coasts; no important change occurring elsewhere.

Barometer highest, 30·0 ins. and upwards in several distinct areas lying over various parts of central and southern Europe. Lowest, 29·6 ins. and less in a depression lying to the west of our Islands, and also in another system over central Russia. Shallow secondary disturbances appearing later over various parts of our Islands and France, well-marked depression forming at night over our western coasts.

Friday, 19th July.

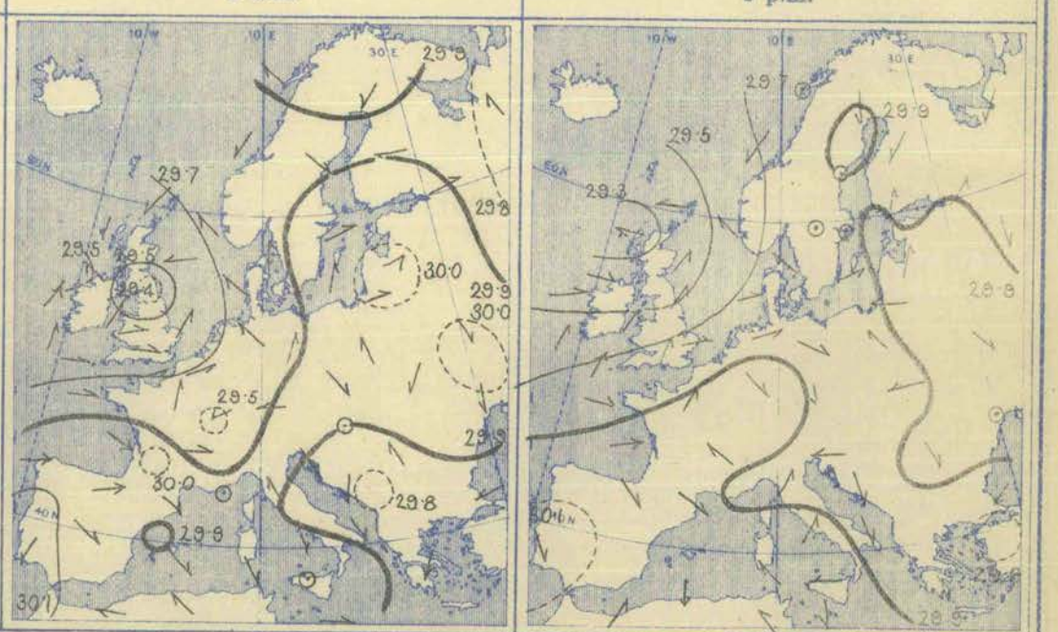
Temperature and Weather. 8 a.m.



Weather in morning dull and rainy over the northern parts of our Islands generally, and showery in the south and south-east of England. Fine over the greater part of the Continent, but dull in some parts of France, Germany, and northern Russia, and misty on the eastern shores of the North Sea. Showers falling during day in most parts of the United Kingdom, with thunderstorms at several of the English stations. Thunderstorms occurring also in Germany, Austria, and the Alpine regions, as well as at Fanö and Paris.

Temperature fallen in most of the western and southern countries, but risen elsewhere. Morning readings highest, 87° at Palma, 85° at Barcelona, 83° at Athens, and 82° at Algiers; above 75° at the Mediterranean and Adriatic stations generally, and above 65° over Germany and the Baltic. Lowest, (1) 53° at Stornoway, Wick, and Donaghadee, and 54° at Nairn, Aberdeen, Ardrossan, and Malin Head; (2) 58° at Haparanda and Uleaborg. Rising during day to between 65° and 70° at most of the English stations; exceeding 80° over central and southern Europe generally, and reaching 93° in Rome.

Barometer and Wind. 8 a.m. and 6 p.m.

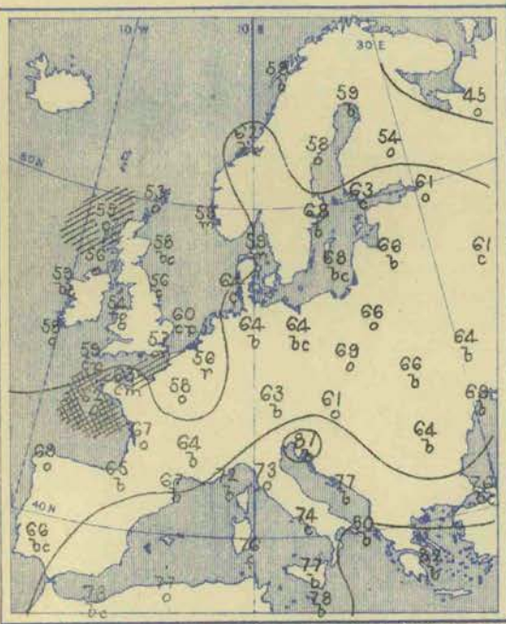


Wind light to fresh from the Westward or South-Westward over Ireland, England, and the greater part of France; South-Easterly over Germany and the eastern shores of the North Sea; light from the Eastward or North-Eastward in Scotland, and also in the north of Scandinavia. Light from the Northward or North-Westward in Russia, and also over Italy and the greater part of the Spanish Peninsula. Variable over Austria, subsequently shifting to the South-Westward in all but the extreme northern parts of Scotland, but beginning to back to the Southward on our south-west coasts. Backing to the Westward or South-Westward in Italy.

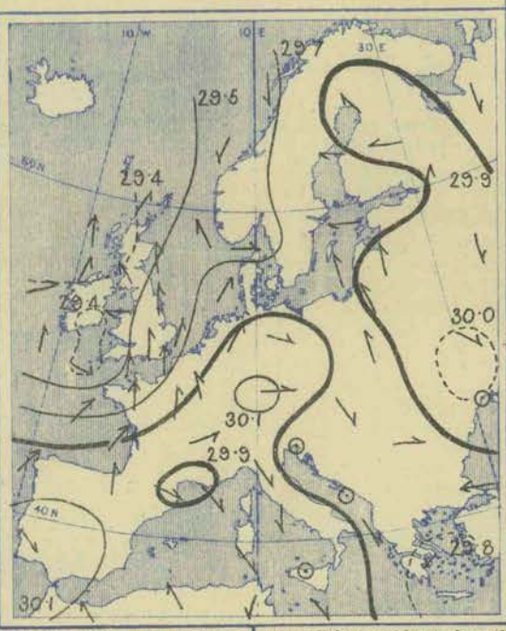
Barometer highest, 30·1 ins. and upwards over Portugal and the south of Spain, 30·0 ins. and upwards in two distinct areas lying respectively over the Baltic Provinces and over the south of Russia. Lowest, 29·4 ins. and less in a well-marked depression having its centre over the extreme south of Scotland. Depression subsequently travelling north-westward across Scotland, barometer rising over England, but falling again on our south-west coasts towards evening.

Saturday, 20th July.

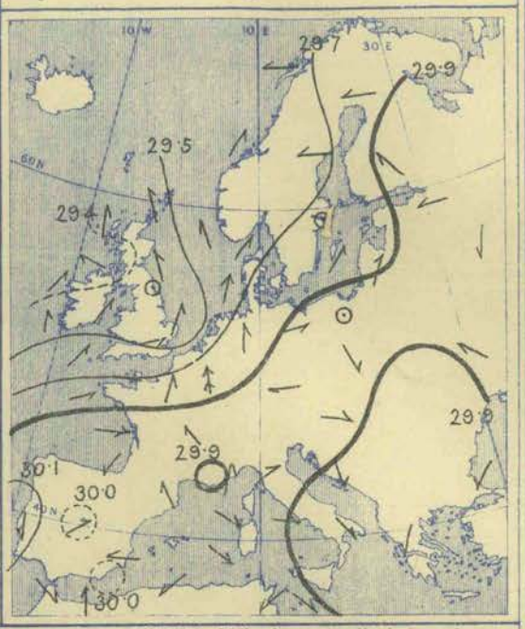
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over England, Belgium, and the north of France, as well as in the east of Ireland. Fine over the greater part of the Continent, but dull in the south of Scandinavia and also over eastern Germany, with rain at Carlstadt and Breslau. Considerable improvement taking place later over England and the north of France, but showers falling in Scotland and the west of Ireland, and heavy rain at several of the Scandinavian stations.

Temperature fallen over England, France, and Germany, risen in Scotland, changed irregularly elsewhere. Morning readings highest, 84° at Sfax, 82° at Athens, 81° at Trieste, and 80° at Brindisi; above 70° over southern Europe generally, and above 65° over the northern parts of the Baltic. Lowest, (1) 45° at Archangel and 54° at Kuopio; (2) 53° at Sunburgh Head, and 54° at York, Donaghadee, and Holyhead. Rising during day to 65° and upwards over England and the central parts of Ireland and Scotland, to 70° and upwards in Germany, and to 80° and upwards over southern Europe generally; reaching 89° at Madrid and 91° at Cagliari.

Wind light to moderate from the Southward over the United Kingdom generally, but a cyclonic circulation reported over the St. George's and Bristol Channels. Strong from the South-Westward or Southward in the north of France, and moderate from the same quarters in the Netherlands. Light from the Eastward or North-Eastward over Finland and the northern parts of Scandinavia. Westerly over Denmark, Germany, and Austria; rather variable over southern Europe, but chiefly North-Westerly. Subsequently veering to the South-Westward over England and increasing to a gale in the eastern parts of the Channel; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards over the central and southern parts of the Spanish Peninsula; 30·0 ins. and upwards over central France and western Germany. Lowest, 29·4 ins. and less in two depressions, one lying off the west of Scotland, and the other over the St. George's and Bristol Channels. Latter disturbance subsequently moving north-eastwards across England, but fresh depression approaching the Irish coasts in evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week barometrical pressure was highest in a well-defined anticyclone lying to the south-westward of our Islands, and relatively high over the whole of southern Europe and the Mediterranean. The lowest readings were found in a complex depression lying over the south of Scandinavia, the prevailing winds being Westerly or North-Westerly in all the more western and central countries, but Easterly in the extreme north, and variable or Northerly over southern Europe and the Mediterranean.

After the 15th the anticyclone in the south-west passed away from our neighbourhood, while a series of cyclonic systems began to advance over north-western Europe from the Atlantic. The centres of the disturbances travelled in most cases in a north-easterly or north-north-easterly direction across our Islands, but, in many instances, small secondary systems were developed to the eastward and southward of the primaries, the general result being that unsettled rainy weather spread gradually over all the more western and central countries, with thunderstorms in many places. The winds in our Islands were mainly Southerly or South-Westerly, but in the extreme north they occasionally backed to the Eastward. On the 20th, when a rather well-marked depression passed north-eastwards across England, a fresh to strong gale from the South-Westward was experienced over the eastern parts of the Channel.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 170.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	35·6	?	30	?	EASTBOURNE	52·2	?	47	?
OSWALDKIRK (Yorkshire)	29·6	?	26	?	MANCHESTER (Oldham Road)	13·0*	?	12*	?
WORKSOP	24·9	−11·4	22	−10	TENBY	29·3*	?	35*	?
THURCASTON (Leicestershire)	18·3	−18·2	17	−16	NEWQUAY	37·0	?	34	?
MARGATE	43·7	?	40	?	TORQUAY	29·8*	?	27*	?
WESTBOURNE (Sussex)	42·0*	?	38*	?	ARLEY COTTAGE (County Cavan)	19·6	?	17	?
BRIGHTON	50·3	?	46	?	GUERNSEY	56·8*	?	53*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Record.

Wyman & Sons, Lt., Lith., 63 Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH: 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 30.] *Third Series.* WEEK ENDING SATURDAY, JULY 27TH, 1895. [*Price 6d. Annual Subscription post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 176.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	38	58·1	47·8	52·6	3 below	74	− 8	0	0	1075	+125	811	+242
	1. SCOTLAND, EAST	69	42	60·2	48·1	53·8	3 below	83	−21	0	0	1237	− 17	988	+415
	2. ENGLAND, N.E.	74	49	64·0	52·3	57·8	1 below	111	− 4	0	0	1370	+ 65	783	+277
	3. ENGLAND, EAST	78	48	70·1	55·1	62·1	1 above	141	+14	0	0	1595	+ 37	854	+283
	4. MIDLAND COUNTIES	76	45	68·6	54·8	61·2	1 above	134	+12	0	0	1620	+ 59	934	+373
	5. ENGLAND, SOUTH	77	49	67·9	56·6	61·8	0 (average)	139	+ 7	0	0	1677	− 3	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	69	40	61·1	50·5	55·4	2 below	94	−10	0	0	1345	+ 35	778	+364
	7. ENGLAND, N.W.	74	48	64·4	53·5	58·6	1 below	116	+ 2	0	0	1445	+ 50	725	+303
	8. ENGLAND, S.W.	75	49	64·7	55·4	59·8	0 (average)	125	+ 6	0	0	1589	+ 26	654	+337
	9. IRELAND, NORTH	68	43	61·6	50·7	55·8	2 below	97	− 8	0	0	1410	− 4	635	+268
	10. IRELAND, SOUTH	69	46	63·0	52·9	57·6	2 below	109	− 5	0	0	1561	− 52	479	+195
	—CHANNEL ISLANDS	72	56	66·5	58·2	62·1	1 above	141	+11	0	0	1762	+ 23	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 176.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	9	0 (average)	127	−10	22·9	− 3·7	17	+ 6†	14	+ 5†	748	− 2	30	0
	1. SCOTLAND EAST	5	15	8 more	103	− 8	15·2	− 1·3	14	−30	12	−27	897	+ 70	36	+ 3
	2. ENGLAND, N.E.	7	25	19 more	108	+ 5	16·2*	+ 2·6	23	−14	21	−12	930	+126	34	+ 5
	3. ENGLAND, EAST	6	16	10 more	93	− 8	11·9	− 1·7	35	− 9	32	− 9	1057	+101	39	+ 3
	4. MIDLAND COUNTIES	6	13	7 more	85	−15	12·9	− 2·3	35	− 5	32	− 4	1008	+153	37	+ 6
	5. ENGLAND, SOUTH	6	18	13 more	81	−16	11·2	− 3·1	30	−17	28	−15	1104	+102	39	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	18	8 more	108	−10	16·0	−11·3	22	−13	20	−11	940	+ 59	34	+ 2
	7. ENGLAND, N.W.	6	20	12 more	94	−14	15·7	− 1·6	25	−10	22	−10	886	+125	36	+ 4
	8. ENGLAND, S.W.	6	15	7 more	88	−23	16·3	− 4·1	31	−13	28	−14	1234	+192	44	+ 7
	9. IRELAND, NORTH	6	15	7 more	119	− 8	16·6	− 2·2	17	−12	15	−11	909	+ 91	33	+ 3
	10. IRELAND, SOUTH	6	22	15 more	99	−18	19·1	− 1·9	24	−10	21	−11	972	+ 30	35	+ 1
	—CHANNEL ISLANDS	5	9	3 more	100	−18	13·5	− 3·3	36	−15	34	−14	1208	+164	50	+ 6

† *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was again dull and unsettled very generally, with frequent and heavy rain in nearly all parts of the Kingdom. Thunder and lightning also occurred from time to time in almost all districts.

Temperature slightly exceeded the normal in England E. and the Midland Counties, as well as in the Channel Islands, and just equalled it in England S. and S.W.; elsewhere, however, it was below the mean value the deficit amounting to as much as 3° in Scotland N. and E. and 2° over Ireland. The highest of the maxima were recorded on the 26th over England, but on varying dates in Ireland and Scotland; they ranged from 78° in England E., 77° in England S., and 76° in the Midland Counties to 68° in Ireland N. and 66° in Scotland N. The lowest of the minima were registered on the 23rd, and ranged from 38° in Scotland N. and 40° in Scotland W. to 49° in England N.E., S., and S.W., and to 56° in the Channel Islands.

Rainfall just equalled the mean in Scotland N., but greatly exceeded it in all other parts of the Kingdom. In many districts the total fall for the week was about three times as much as the mean, while in England N.E. it was more than four times the mean. The largest amount measured at any individual station during the week was 3·54 ins. at Alnwick Castle, and was five times as much as the mean for the period.

Bright Sunshine exceeded the normal amount in some parts of the north of Scotland, but was very little prevalent elsewhere. The percentage of the possible duration ranged from 34 in the Channel Islands, and 32 in England E. and the Midland Counties, to 15 in Ireland N., 14 in Scotland N., and 12 in Scotland E.

Barometer and Wind.—During the whole of this period small and shallow depressions travelled north-eastwards over different parts of our Islands, causing the winds to change frequently both in direction and force, and the weather to be generally cloudy and close, or dull and rainy.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 175 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	43	57·3	48·9	51·7	− 1·2	68	0	3	0·75	+0·21	*	*	*	*
	Stornoway	66	47	59·6	49·1	54·0	− 0·7	84	0	4	0·43	−0·25	36·7	+6·2	31	+ 5
	Wick Ⓢ	63	38	58·4	46·1	51·8	− 5·6	69	0	5	0·80	+0·25	*	*	*	*
	Glencarron Ⓢ	62	46	56·6	47·2	51·6	− 3·0	67	0	7	2·03	+0·58	*	*	*	*
	Fort Augustus Ⓢ	62	47	57·3	49·6	53·4	− 3·3	80	0	4	0·61	−0·11	6·1	?	5	?
	Fort William Ⓢ	62	43	55·6	48·0	52·9	− 3·9	76	0	5	0·73	−0·54	7·9	?	7	?
1. SCOTLAND, E.	Nairn	63	45	59·9	47·4	53·2	− 4·3	78	0	5	0·65	+0·02	*	*	*	*
	Aberdeen	63	45	58·7	50·0	54·1	− 3·1	85	0	7	1·55	+0·85	7·1	−29·3	6	−27
	Braemar Ⓢ	61	44	56·6	46·1	51·0	− 3·7	83	0	7	1·20	+0·50	14·8†	?†	13†	?†
	Ochtertyre Ⓢ	69	42	65·0	47·0	55·4	− 1·9	94	0	4	1·08	+0·19	*	*	*	*
	Leith Ⓢ	68	47	60·9	50·3	55·2	− 3·6	92	0	4	2·04	+1·40	*	*	*	*
	Marchmont Ⓢ	64	45	60·3	48·0	53·7	− 3·3	82	0	5	2·74	+1·94	14·5	?	13	?
2. ENGLAND, N.E.	Alnwick Castle	63	50	60·0	51·1	55·2	− 2·4	92	0	6	3·54	+2·84	*	*	*	*
	Durham	71	49	65·2	50·6	57·4	− 2·0	108	0	7	2·98	+2·30	20·2	−16·9	18	−15
	Shields	68	49	61·0	50·7	55·5	− 2·7	95	0	7	2·91	+2·23	*	*	*	*
	Scarborough Ⓜ	71	52	64·4	53·0	58·3	− 1·2	114	0	6	2·31	+1·62	*	*	*	*
	York	73	50	67·0	53·1	59·6	− 0·2	123	0	7	1·79	+1·14	25·3	−10·0	23	−10
	Spurn Head	74	54	66·3	55·4	60·5	+ 0·3	130	0	7	1·46	+1·04	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	78	48	70·2	51·6	61·9	+ 1·0	139	0	5	1·03	+0·33	38·2	−5·5	34	− 5
	Yarmouth	75	52	68·7	56·3	62·1	+ 1·2	141	0	6	1·68	+0·98	*	*	*	*
	Geldeston	75	49	71·2	54·8	62·4	+ 1·3	143	0	6	2·06	+1·48	38·8	−7·8	35	− 8
	Cambridge	78	48	71·0	54·7	62·3	+ 0·5	142	0	6	1·52	+0·89	30·7	−13·1	28	−12
	Rothamsted	75	49	69·3	55·3	61·8	+ 1·4	139	0	5	1·93	+1·31	31·4	?	29	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	75	50	68·4	54·1	60·8	+ 0·4	132	0	7	2·09	+1·47	*	*	*	*
	Loughborough	76	52	70·6	56·4	63·0	+ 1·6	147	0	7	0·81	+0·25	*	*	*	*
	Stamford (Ketton Hall)	76	47	70·7	54·6	62·1	+ 0·7	141	0	6	0·98	+0·39	*	*	*	*
	Cheadle Ⓜ	73	49	65·8	52·6	58·7	+ 0·6	117	0	6	2·14	+1·42	*	*	*	*
	Solihull	74	48	68·0	54·5	60·8	+ 0·8	132	0	7	0·79	?	*	*	*	*
	Churchstoke Ⓜ	74	45	67·3	53·8	60·1	+ 2·0	127	0	6	0·90	+0·26	40·6	+0·9	37	+ 1
	Hereford Ⓜ	74	48	68·9	55·5	61·7	+ 1·3	135	0	5	0·98	+0·41	*	*	*	*
	Cirencester	72	50	?68·3	?54·3	?60·8	?+ 1·4	?132	0	?7	?1·54	?+0·80	?36·5	?− 4·7	?33	?− 5
	Oxford	74	52	69·3	56·6	62·5	+ 1·3	144	0	7	1·27	+0·67	34·3	−8·7	31	− 8
5. ENGLAND, S.	London	77	50	70·3	56·3	62·8	+ 0·1	146	0	6	2·48	+1·95	23·0†	−16·8†	21†	−16†
	North Foreland	71	52	68·7	56·4	62·1	+ 0·4	141	0	6	1·75	?	*	*	*	*
	Strathfield Turgiss Ⓜ	74	49	70·0	55·8	62·4	+ 1·0	143	0	7	1·62	+1·08	*	*	*	*
	Dungeness	68	52	65·7	57·0	61·1	− 0·8	134	0	6	1·61	+1·14	*	*	*	*
	Hastings (St. Leonards)	69	51	66·3	55·9	60·7	− 1·2	131	0	7	1·63	+1·10	28·3	−21·7	23	−20
	Southampton	74	52	69·0	56·4	62·3	+ 1·1	142	0	6	1·64	+0·98	35·5	−11·5	33	−10
	Hurst Castle	70	57	64·1	58·3	61·5	− 0·4	137	0	6	1·86	+1·36	*	*	*	*
	Stowell Ⓜ												*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	40	60·2	48·3	53·8	− 3·3	83	0	6	0·47	−0·78	*	*	*	*
	Glasgow	62	45	59·6	49·4	54·1	− 3·3	85	0	4	1·78	+0·93	14·4	−14·0	13	−13
	Ardrossan	63	51	60·7	53·6	56·9	− 1·3	104	0	4	1·39	+0·69	*	*	*	*
	Glenlee Ⓢ	69	43	65·6	49·1	55·9	− 1·0	97	0	7	3·38	+2·34	*	*	*	*
	Douglas (Isle of Man)	63	49	61·4	52·2	56·5	− 0·9	102	0	4	1·79	+1·04	30·1	−11·9	27	−10
7. ENGLAND, N.W.	Stonyhurst	69	48	63·3	52·0	57·3	− 1·7	107	0	7	2·10	+1·02	28·3	−7·3	25	− 7
	Blackpool Ⓜ	71	48	65·9	54·0	59·5	− 0·4	123	0	4	2·26	+1·48	31·1	−8·3	28	− 7
	Manchester (Prestwich)	73	50	66·5	52·6	58·6	0·0	115	0	7	2·31	+1·37	23·3	?	21	?
	Liverpool Obsy. (Bidston)	74	50	66·1	54·3	60·0	0·0	126	0	6	2·15	+1·45	*	*	*	*
	Llandudno Ⓜ	71	52	64·1	54·7	59·1	− 1·2	120	0	6	1·92	+1·27	21·2	−15·3	19	−15
	Holyhead	65	51	61·7	53·3	57·2	− 2·2	106	0	6	1·32	+0·73	*	*	*	*
8. ENGLAND, S.W.	Llandovery	70	49	66·6	54·1	59·9	+ 0·5	125	0	7	2·24	+1·26	*	*	*	*
	Pembroke	61	54	60·6	55·7	58·0	− 0·7	112	0	4	1·38	+0·78	24·7	−20·0	22	−19
	Bristol (Montpelier)	75	53	69·3	57·3	62·9	+ 2·5	146	0	7	1·35	+0·59	*	*	*	*
	Arlington (N. Devon)	66	50	63·9	53·4	58·3	− 0·3	114	0	5	2·25	+1·11	*	*	*	*
	Cullompton Ⓜ	73	50	68·6	55·5	61·6	+ 1·8	137	0	5	1·33	+0·65	33·1	− 5·7	30	− 7
	Falmouth	68	52	65·5	56·5	60·7	+ 0·5	131	0	7	1·01	+0·19	31·8	−14·0	29	−16
	Plymouth	66	54	62·3	55·6	58·9	− 2·6	118	0	6	1·13	+0·47	30·2	−12·5	28	−13
	Prawle Point	63	53	60·7	55·1	57·7	− 1·8	110	0	6	0·85	+0·30	*	*	*	*
9. IRELAND, N.	Malin Head	61	51	57·4	52·0	54·5	− 3·2	88	0	5	1·20	?	*	*	*	*
	Londonderry	68	47	62·6	50·8	56·3	− 2·0	100	0	5	1·55	+0·70	*	*	*	*
	Edenfel (Omagh)									6	1·82	+1·02	*	*	*	*
	Belmullet	62	49	60·0	52·4	55·9	− 2·3	97	0	6	1·08	?	*	*	*	*
	Markree Castle	68	44	62·9	50·6	56·3	− 0·3	100	0	5	1·29	+0·57	12·1	−15·9	11	−16
	Brookeborough	64	44	61·8	50·0	55·5	− 1·7	95	0	6	1·11	+0·22	*	*	*	*
	Armagh	68	45	64·0	49·0	56·0	− 1·8	98	0	7	2·76	+2·00	21·4	− 7·6	19	− 6
	Donaghadee	66	47	61·3	50·7	55·6	− 1·6	95	0	7	0·98	+0·25	*	*	*	*
	Edgeworthstown	68	43	62·9	50·2	56·1	− 1·5	99	0	6	1·99	+1·12	*	*	*	*
10. IRELAND, S.	Dublin	69	50	63·6	52·5	57·7	− 2·2	110	0	6	2·75	+2·17	30·2	− 5·0	27	− 7
	Parsonstown	66	47	62·9	50·7	56·2	− 2·7	99	0	6	2·29	+1·57	20·1	−12·1	18	−10
	Kilkenny	69	46	64·7	52·7	58·3	− 0·3	114	0	6	1·88	+1·28	*	*	*	*
	Roche's Point	64	50	63·0	53·7	58·0	− 2·1	112	0	6	1·80	+1·05	*	*	*	*
	Valencia	63	47	61·1	53·4	57·0	− 1·9	105	0	6	1·81	+0·90	20·5	−14·2	19	−14
	Killarney	66	48	62·6	54·2	58·1	− 0·4	113	0	7	2·51	?	*	*	*	*
	Foynes											?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	67	56	65·4	57·0	60·9	+ 0·4	132	0	5	0·78	+0·20	34·6	?	32	?
	Jersey	72	56	67·6	59·3	63·2	+ 0·5	148	0	5	0·96	+0·43	38·0	−15·1	36	−14

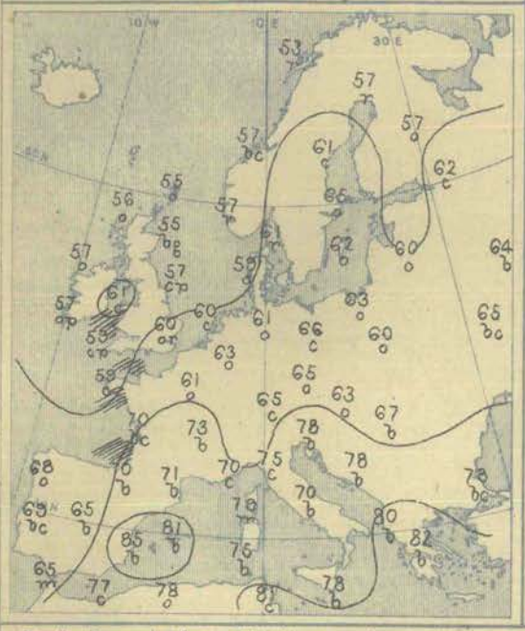
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

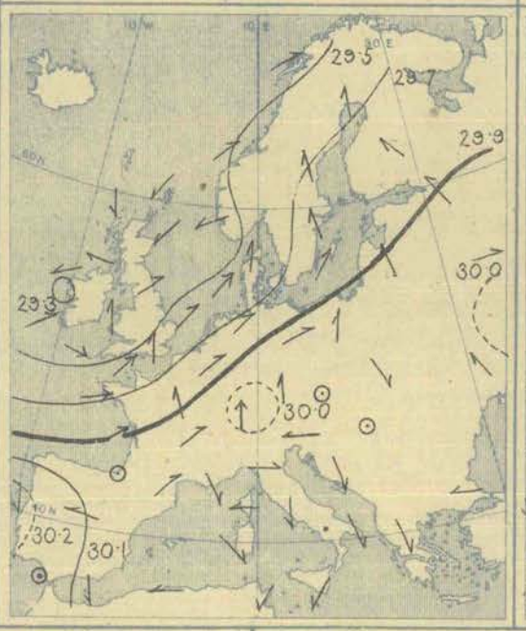
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 21st July.

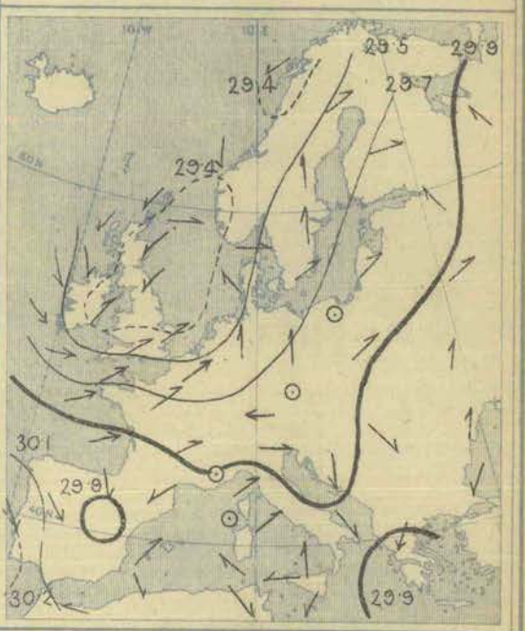
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over southern and eastern Europe and the Mediterranean, very dull and unsettled over all the north-western countries, with rain in many parts of the British Islands, the west and north of France, and the west of Norway. Much rain over England later, especially in the south-east, and heavy thunderstorms over our north-eastern, south-eastern, and midland counties, with hail in places; considerable rain in the north of France also.

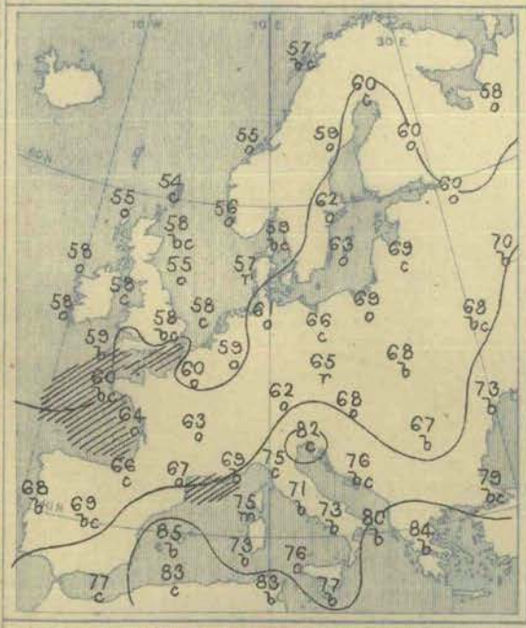
Temperature in morning highest, 80° and more over Greece and on the western shores of the Mediterranean, 78° at Constantinople and Lesina, and considerably above 70° on the Mediterranean shores of France also; above 60° over nearly the whole of the Continent, but lower over the north-western countries. Lowest, 53° at Bodö and Malin Head, 54° at Leith, 56° at Donaghadee, 57° at Shields and Valencia. Not touching 70° at any of our own stations later, and failing to reach 55° at Cambridge.

Wind (1) Westerly, strong, over the Bay of Biscay, South-Westerly to Southerly over the east of England and north Germany, Easterly to North-Easterly, light and variable, over the northern parts of the British Islands. Light and very variable (mainly anticyclonic) over south-western, southern, and eastern Europe. Shifting to North in Ireland and the Hebrides later, and to the Westward (strong) over the English Channel, not much change elsewhere.

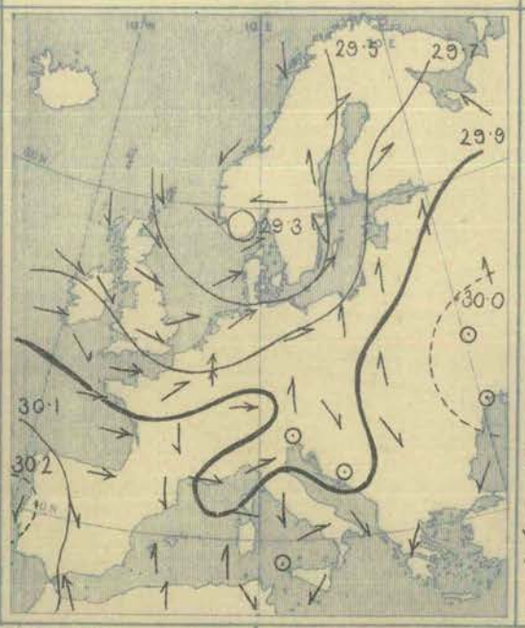
Barometer highest, 30·2 ins. and more over the Azores and the south of Portugal, and about 30·0 ins. in the southern central parts of Russia. Lowest, 29·4 ins. and less in a depression of very irregular form covering Ireland and the greater part of Scotland, and apparently in a secondary system over the northern parts of the North Sea. Gradients steep over the Bay of Biscay. Depression referred to moving eastwards later, and barometer rising in Ireland.

Monday, 22nd July.

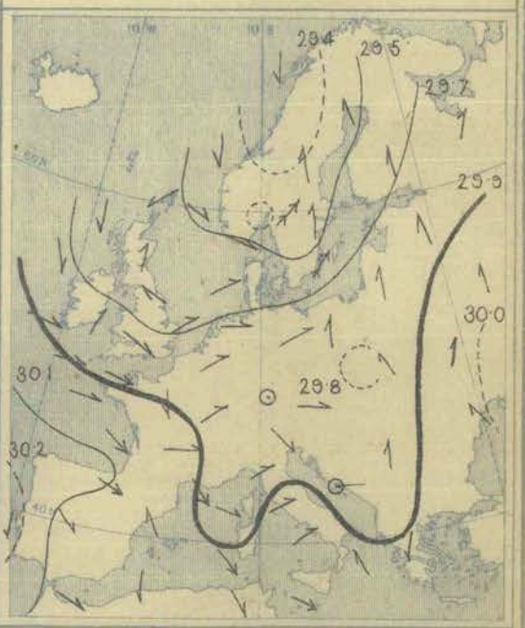
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the United Kingdom generally, but dull on our extreme western and northern coasts, with showers at Malin Head. Dull in most of the northern and central European countries, with rain in several places: fine over the southern and south-eastern parts of the Continent. Showers falling during day in nearly all parts of western Europe, with thunderstorms at many of the English stations.

Temperature risen slightly in Ireland and Scotland, fallen in most other countries. Morning readings highest, 85° at Palma, 84° at Patras, 83° at Algiers and Tunis, and 82° at Trieste and Athens; above 70° over southern Europe generally, but a little below it over the Spanish Peninsula. Lowest, 54° at Sumburgh Head and 55° at Christiansund, Stornoway, Shields, and Malin Head; below 60° in all but the extreme southern parts of the United Kingdom. Rising during day to between 65° and 70° in many parts of Great Britain; exceeding 70° over France and Germany, and reaching 84° at Nice.

Wind light to moderate from the Westward or North-Westward over the greater part of our Islands, but Northerly in the north of Scotland and also in the west of Norway. Fresh or strong from the Westward in the west of France, South-Westerly over central France, the Netherlands, Germany, Denmark, and the Baltic; Southerly over Sweden and Finland. Calm or variable over Austria and the south of Russia, light from the Westward or North-Westward in Italy; Northerly over the Spanish Peninsula. No important change occurring over western Europe during day.

Barometer highest, 30·2 ins. and upwards in Portugal, 30·0 ins. and upwards over the whole of the Spanish Peninsula, and also over the southern parts of Russia. Lowest, 29·4 ins. and less in a large but somewhat shallow depression lying over Norway and the northern parts of Denmark. Depression subsequently moving north-eastwards, but small secondary disturbances passing eastwards across our Islands.

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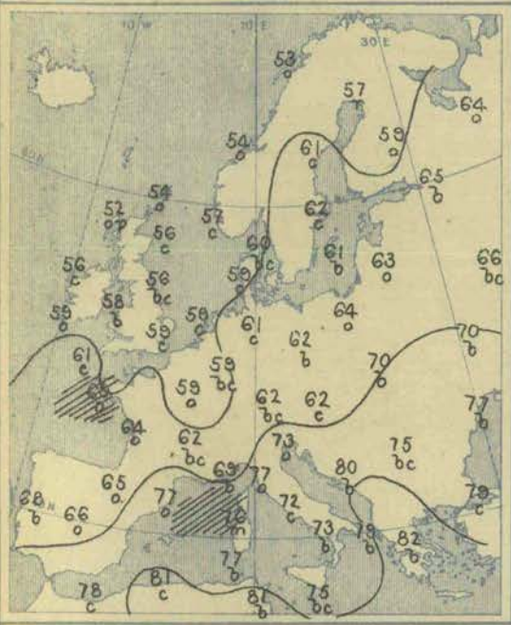
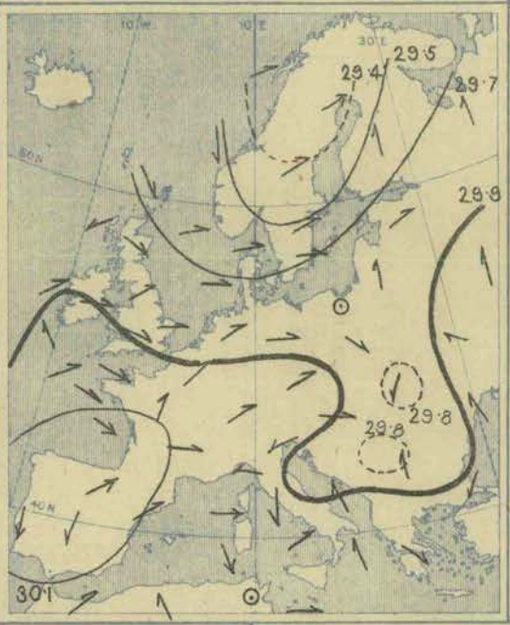
Tuesday, 23rd July.

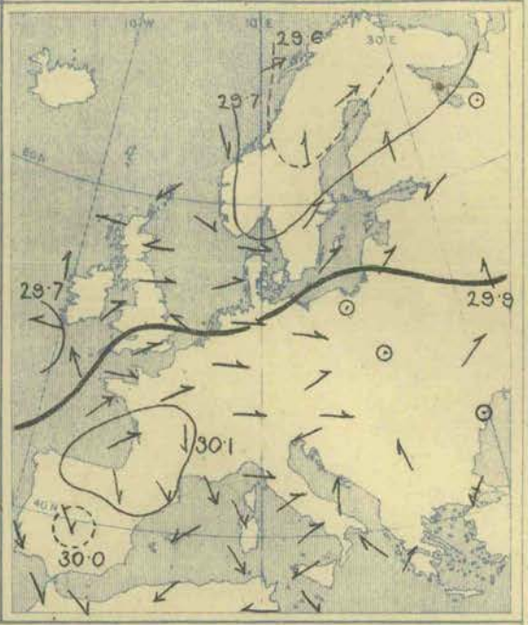
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia, south-eastern Europe, and the southern shores of the Mediterranean and over south Germany; temporarily fine in many parts of England and Ireland, but very changeable, as a whole, over northern and north-western Europe, with rain in several localities. Rain later over nearly the whole of our Islands, the west and north of France, and the Netherlands, amounts considerable in the south-west and south of England and large at Pembroke.

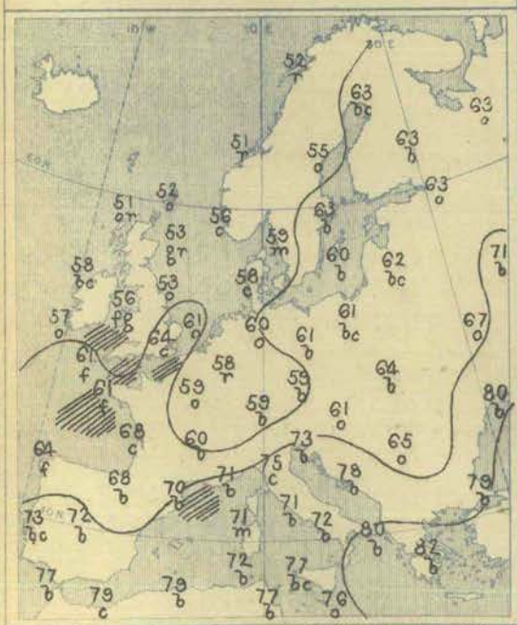
Temperature changing little and irregularly. Morning readings highest, 82° at Patras, and exceeding 80° at several of the Mediterranean stations, exceeding 70° over Italy, Austria, and the south of Russia, and exceeding 60° over Russia, central Europe, and the south of our Islands; 64° even at Archangel. Lowest, 52° at Stornoway, 53° at Bodö, 54° at Christiansund, 55° at Malin Head and York. Touching 70° in London later, 71° at Paris, 75° at Berlin, and 81° to 83° in the south of France.

Wind (1) very variable and light over Russia, central and western Europe, and moderate from North-West and North-East over the Mediterranean; (2) Westerly to Northerly on the Norwegian coasts, South-Westerly over Sweden and the Baltic. Strong over the Gulfs of Bothnia and Finland; (3) North-Westerly to Westerly and light over Great Britain, but South-Westerly to South-Easterly over the southern parts of Ireland. South-Easterly and Southerly winds becoming general in the west later, and tending to veer to South-West on our south-western coasts.

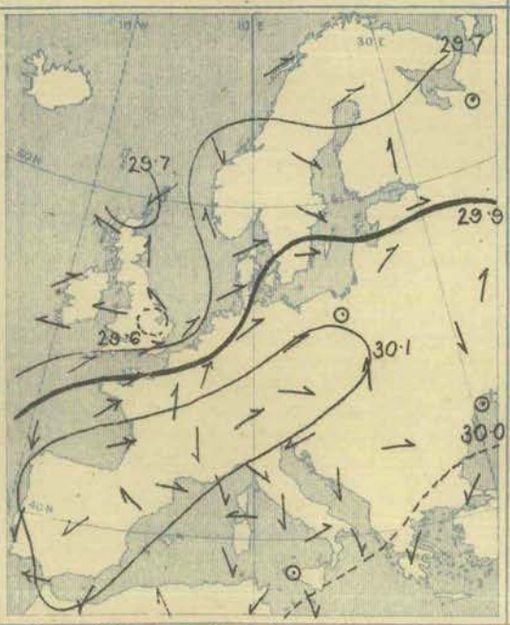
Barometer highest, 30·2 ins. over the Azores, 30·1 ins. and more over Spain and the south-west of France, and exceeding 29·8 ins. over south Germany, France, and the south-western half of our Islands. Lowest, 29·4 ins. and less in a large depression lying over the northern parts of Scandinavia, and below 29·8 in another over the south of Hungary and Servia. New but small and shallow depression travelling from the Atlantic across England later in an east-north-easterly direction.

Wednesday, 24th July.

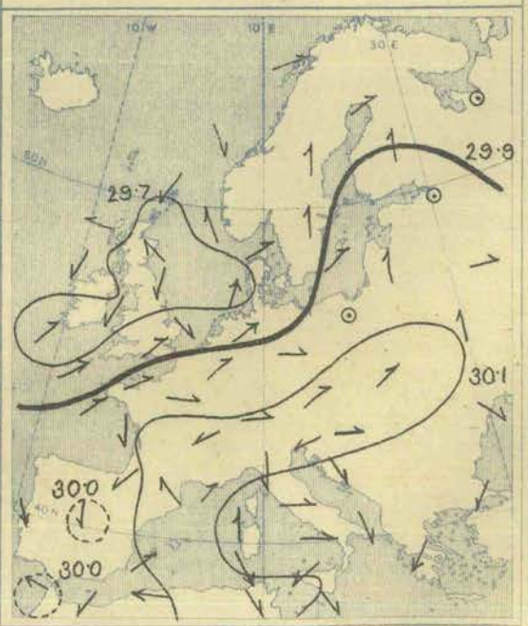
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy over the United Kingdom and its immediate neighbourhood, with rain in many parts of Great Britain, and with fog on our west and south-west coasts. Fine over the greater part of the Continent, but dull and rainy in the west of Norway. Rain falling later in most parts of north-western Europe, heavily in the north of Scotland and the south of Ireland.

Temperature fallen in most countries, but risen a little over the Spanish Peninsula and the south of France. Morning readings highest, 82° at Athens and Patras, 80° at Palma, and 79° at Constantinople, Oran, and Algiers, above 70° over southern Europe generally and also over central Russia. Lowest, 51° at Christiansund, Stornoway, and Wick, 52° at Bodö and Sumburgh Head, and 53° at Nairn, Aberdeen, and Malin Head; below 55° at many of our own northern stations. Rising during day to 70° and upwards over the central and south-eastern parts of England, and to 80° and upwards over the southern parts of France, and reaching 89° at Perpignan. Succeeding night very mild over the south and east of England.

Wind moderate to strong from the South-Westward over the south of England and the north of France, but variable or light from the Eastward in all the more western and northern parts of our Islands. Light to moderate from the South-Westward or Westward over Austria, Germany, Denmark, the Baltic, and the greater part of Scandinavia. Light from the Northward or North-Westward in Italy, and from the North-Eastward at some of the Spanish stations. No important change occurring over western Europe during day.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the Spanish Peninsula, France, and Germany, and the western parts of Austria. Lowest, 29·6 ins. and less in a depression over the north of England. Depression subsequently travelling north-eastwards to the North Sea, but new disturbance advancing over Ireland from the south-westward, and barometer falling at many of our western stations.

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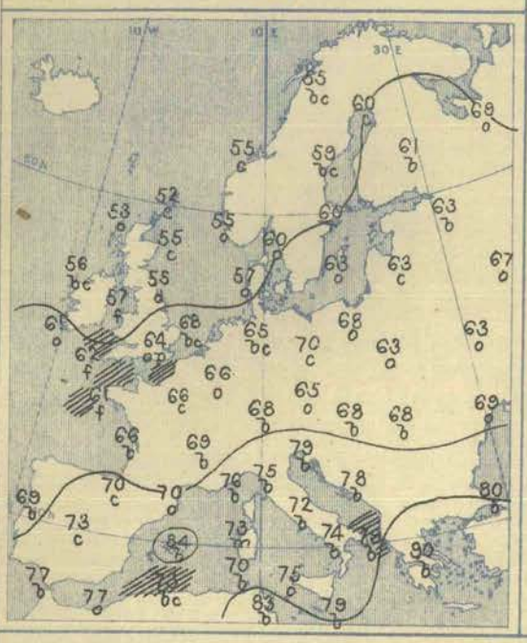
Thursday, 25th July.

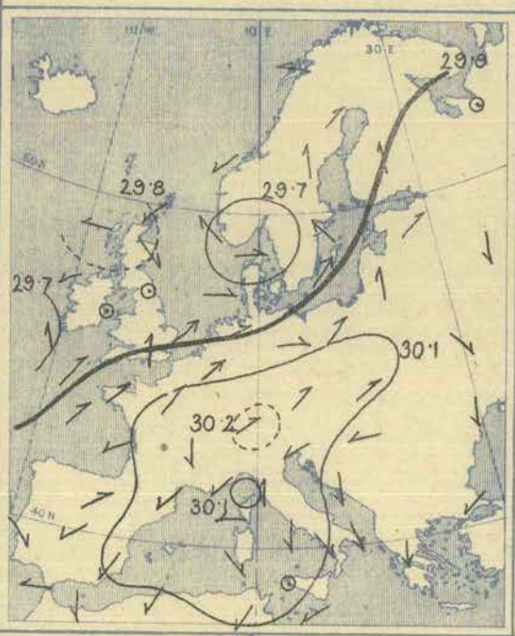
Temperature and Weather.

8 a.m.

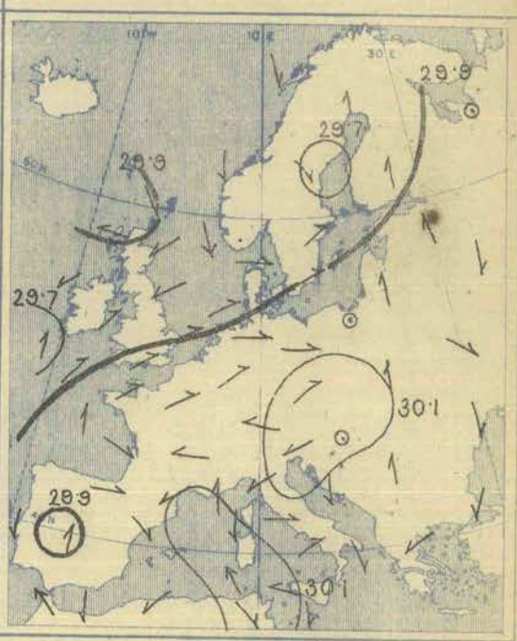


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, southern and south-eastern Europe, as well as over Finland; cloudy, as a whole, elsewhere, and changeable over the north-western countries generally, foggy in the south-west. Much rain later over Sweden and the northern and western parts of the British Islands, amounts ranging between 0·9 in. and 0·4 in. at several stations. Thunder and lightning in France later.

Temperature rising over central Europe and over Greece. Morning readings highest, 90° at Patras, 85° at Athens, 84° at Palma, 88° at Tunis, and exceeding 70° at most stations in southern Europe, exceeding 60° except in the north-west. Lowest, 52° at Sumburgh Head and Donaghadee, 53° at Stornoway, and 55° at Christiansund, Bodö, Aberdeen, and Shields. Rising later to between 70° and 76° over the north-eastern and eastern counties of England, to 81° at Berlin and Wiesbaden, to 86° at Paris, 88° at Nice, and 94° at Lyons.

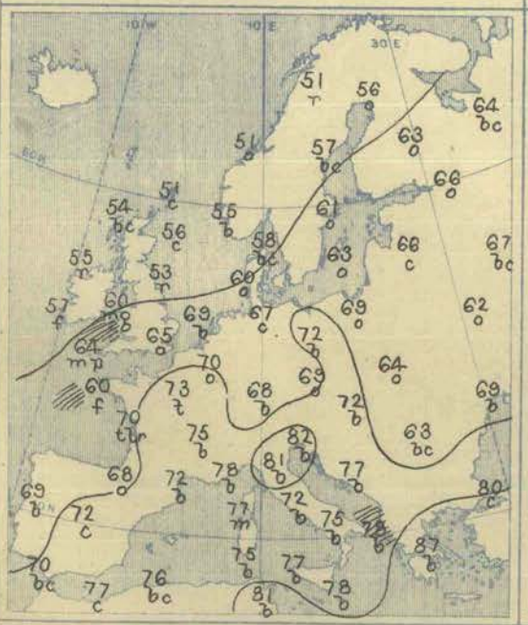
Wind (1) very light and variable from North-East and East over Scotland and the north of Ireland, and very variable over Norway; (2) South-South-Westerly, strong to fresh, over the south of England, the Channel, the north of France, and the Netherlands. Southerly over the Baltic; (3) very light and anticyclonic over central and southern Europe. Wind moderating later over the English Channel; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards over south Germany; 30·1 ins. and upwards over central Europe, Italy, and the central parts of the Mediterranean. Lowest, 29·7 ins. and less in a well-marked depression over the south of Scandinavia, and also in another system lying off the south-west of Ireland. Scandinavian depression subsequently moving north-eastwards; Irish disturbance remaining almost stationary, but rather decided fall of the barometer setting in over France in evening.

Friday, 26th July.

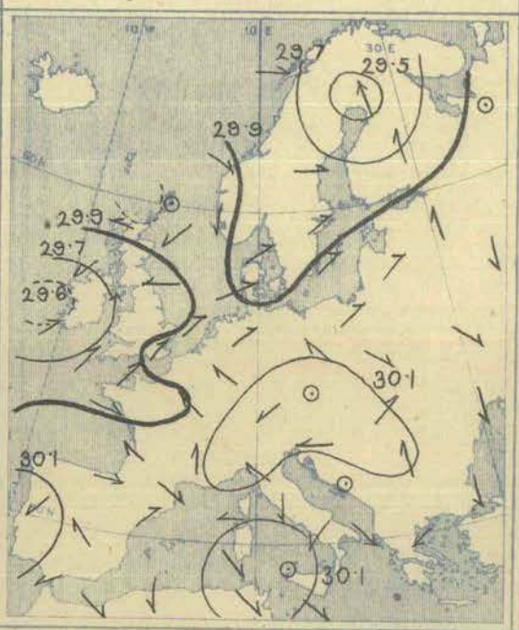
Temperature and Weather.

8 a.m.

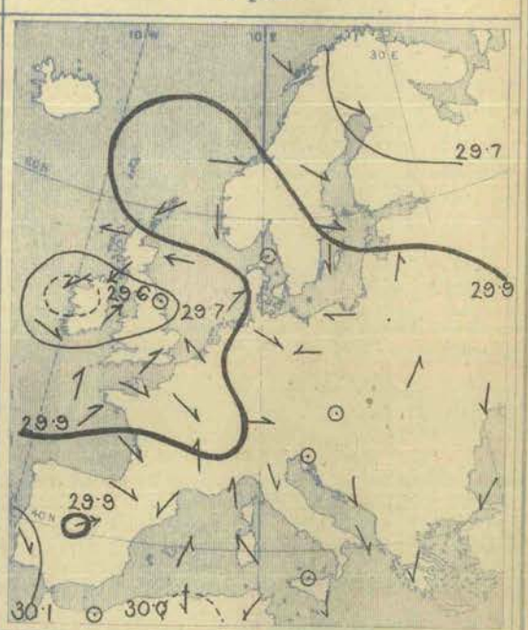


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Spain, the Mediterranean, central and eastern Europe, as well as at some stations in the south of Scandinavia, cloudy or overcast elsewhere, dull, very unsettled and rainy over Ireland and England, with thunderstorms very generally in the south and east. Heavy rains over Scotland, the north-east of England, and in France later, thunderstorms over nearly all parts of England and France and some parts of Germany.

Temperature in morning highest, 87° at Patras, 82° at Athens, 81° at Tunis, 79° at Barcelona, and exceeding 70° over southern Europe generally; exceeding 60° at nearly all other Continental stations. Lowest, 51° at Bodö, Christiansund, and Sumburgh Head, 53° at Shields, Donaghadee, and Malin Head. Rising later to between 70° and 78° over England (air close and muggy), to 85° at Paris, 90° at Berlin, and 95° at Lyons and Clermont, and to 104° at Laghouat. Succeeding night warm and muggy over England.

Wind (1) light and very variable over southern and eastern Europe, and mainly anticyclonic; (2) Southerly and South-Westerly, moderate to fresh, over the southern and south-western parts of our Islands, moderate to strong from East and North-East in the north; (3) North-Westerly, light, in Norway, South-Westerly, moderate, over the Baltic, Southerly over Finland. Blowing strongly in the east of Scotland later, and shifting to North-East in the north of Ireland, varying between South-South-East and South-West over the south-east of England.

Barometer highest, 30·0 ins. to 30·1 ins. and more over south-western, southern, and central Europe, and 30·0 ins. over Caithness. Lowest, 29·6 ins. and less in a depression off the west of Ireland, and below 29·5 ins. in another at the northern extremity of the Gulf of Bothnia. Irish depression moving north-eastwards later and spreading eastwards, that in far north travelling away to Russia.

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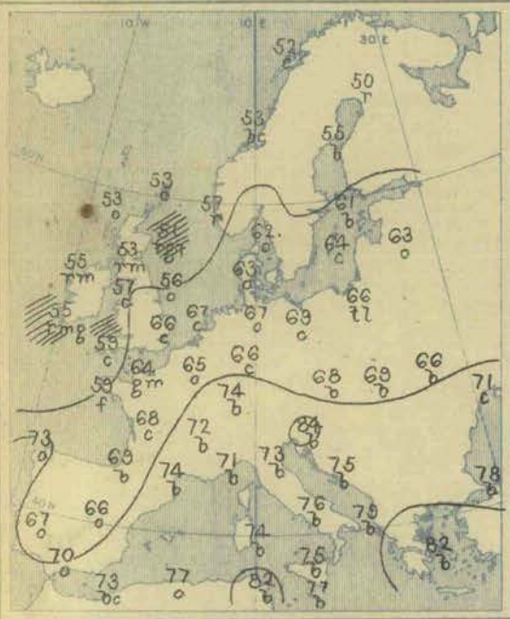
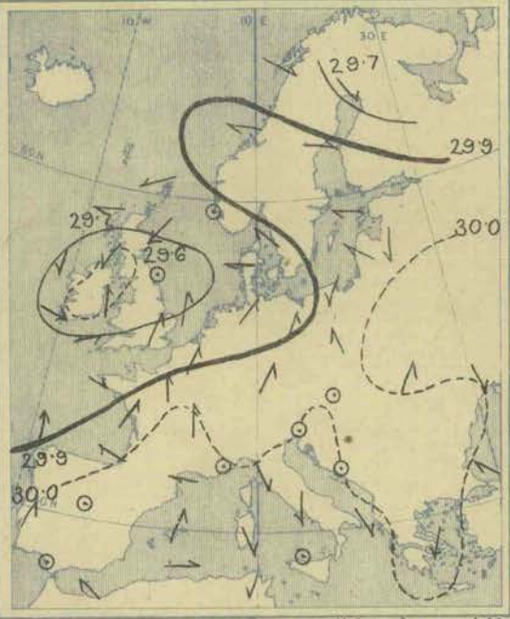
Saturday, 27th July.

Temperature and Weather. 8 a.m.

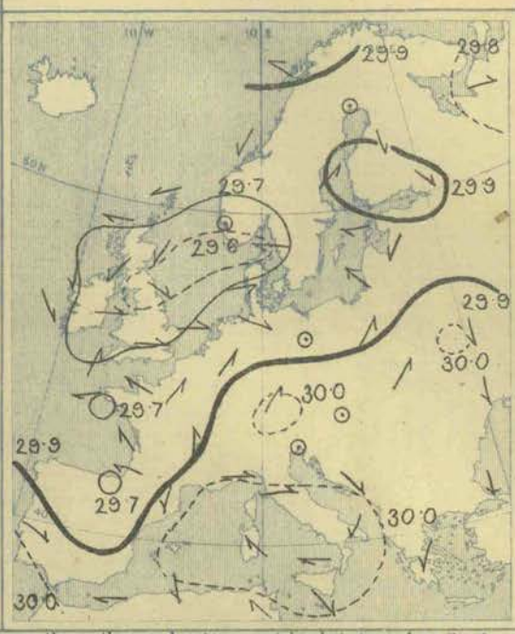


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, southern and south-eastern Europe, fair, as a whole, over the central countries, very unsettled in the north-west and north, with much rain over Ireland, Scotland, and the north of Sweden; mist still prevalent about the mouth of the Channel. Rainfall heavy over our north-eastern districts during day, with thunder and lightning, and a heavy fall setting in over the Channel and the south and east of England still later; the weather in Ireland, however, tending to improve.

Temperature decreasing over north-western and western Europe, but rising over the northern, central, and southern countries. Morning readings highest, 84° to 80° at the Greek and some of the Italian stations, exceeding 70° over southern, central, and south-eastern Europe, and exceeding 60° except in the extreme north and west. Lowest, 51° in the east of Scotland, 53° at Sumburgh Head, Stornoway, and Ardrossan. Touching 72° in London and at Cambridge and Yarmouth later, 80° at Paris, 93° at Biarritz, and 95° at Lyons.

Wind (1) light and very variable over the southern and eastern countries, but strong from South in the north-west of Spain; (2) moderate from West and South-West in the south of our Islands and north of France and Southerly on our east coast, but North-Easterly, fresh to moderate, over Scotland and the north of Ireland, South-Easterly on the Danish coast, Easterly over the south of Scandinavia; (3) North-Westerly and Westerly over Lapland and the north of Sweden. Backing to East and varying greatly over the south of England and Channel later.

Barometer highest, 30·0 ins. and more over Spain, the Mediterranean, the Adriatic, and south of France, as well as over Hungary and central Russia, and exceeding 29·9 ins. over the Baltic and central parts of Sweden and Norway. Lowest, below 29·6 ins. to 29·7 ins. in a complex depression lying over the British Isles, and below 29·7 ins. over the east of Lapland. Depression over our Islands moving east-north-eastwards later, and a new one advancing across Brittany to the south-east of England.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 176.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	19·8	?	17	?	EASTBOURNE	30·9	?	28	?
OSWALDKIRK (Yorkshire)	23·3	?	21	?	MANCHESTER (Oldham Road)	20·0*	?	18*	?
WORKSOP	32·2	- 4·2	29	- 4	TENBY	31·2*	?	28*	?
THURCASTON (Leicestershire)	32·5	- 4·9	29	- 5	NEWQUAY	33·7	?	31	?
MARGATE	31·1	?	29	?	TORQUAY	31·3*	?	29*	?
WESTBOURNE (Sussex)	29·8*	?	27*	?	ARLEY COTTAGE (County Cavan)	16·3	?	15	?
BRIGHTON	33·9	?	31	?	GUERNSEY	35·0*	?	33*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith. 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 31.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 3RD, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 182.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	38	60·0	47·5	53·3	2 below	79	− 3	0	0	1154	+122	811	+232
	1. SCOTLAND, EAST	69	41	62·1	47·8	54·4	3 below	87	−17	0	0	1324	− 34	988	+415
	2. ENGLAND, N.E.	72	44	63·3	50·8	56·6	3 below	102	−13	0	0	1472	+ 52	783	+277
	3. ENGLAND, EAST	73	39	65·3	50·5	57·4	4 below	108	−19	0	0	1703	+ 18	854	+233
	4. MIDLAND COUNTIES	71	42	65·1	50·6	57·4	3 below	108	−14	0	0	1728	+ 45	934	+373
	5. ENGLAND, SOUTH	73	42	65·6	53·4	59·1	3 below	120	−12	0	0	1795*	− 17	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	38	61·9	49·5	55·2	2 below	92	−11	0	0	1437	+ 24	778	+334
	7. ENGLAND, N.W.	66	41	62·8	50·7	56·3	3 below	100	−14	0	0	1546*	+ 37	725	+303
	8. ENGLAND, S.W.	70	38	63·7	52·1	57·5	2 below	109	−11	0	0	1698	+ 15	654	+337
	9. IRELAND, NORTH	68	44	61·6	50·4	55·7	2 below	96	− 9	0	0	1506	− 13	635	+268
	10. IRELAND, SOUTH	66	44	62·0	51·8	56·5	3 below	102	−12	0	0	1663	− 64	479	+195
	—CHANNEL ISLANDS	68	53	64·0	56·0	59·7	2 below	124	− 7	0	0	1886	+ 16	360	+248

Rainfall.

	DISTRICTS (See p. 182.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	5	4 less	132	− 9	23·4	− 4·1
	1. SCOTLAND EAST	4	3	4 less	107	− 7	15·5	− 1·7
	2. ENGLAND, N.E.	3	3	3 less	111	+ 6	16·5	+ 2·3
	3. ENGLAND, EAST	3	9	3 more	96	− 7	12·3	− 1·4
	4. MIDLAND COUNTIES	3	5	2 less	88	−14	13·4	− 2·4
	5. ENGLAND, SOUTH	4	8	2 more	85	−14	11·9*	− 3·0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	5	4 less	112	−10	16·5	−11·8
	7. ENGLAND, N.W.	3	4	4 less	97	−14	16·1	− 1·9
	8. ENGLAND, S.W.	3	6	2 less	91	−23	16·9	− 4·3
	9. IRELAND, NORTH	4	10	2 more	123	− 8	17·6	− 2·1
	10. IRELAND, SOUTH	3	6	2 less	102	−18	19·6*	− 2·1
	—CHANNEL ISLANDS	4	7	2 more	104	−16	14·2	− 3·1

Bright Sunshine.

	DISTRICTS (See p. 182.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	18	− 1	16	− 1	766	− 2	30	0
	1. SCOTLAND EAST	20	+ 1	18	0	917	+ 72	35	+ 2
	2. ENGLAND, N.E.	16	−19	15	−18	946	+107	33	+ 3
	3. ENGLAND, EAST	30	−14	28	−13	1087	+ 86	39	+ 3
	4. MIDLAND COUNTIES	20	−19	19	−18	1028	+134	36	+ 5
	5. ENGLAND, SOUTH	21	−24	19	−24	1125	+ 77	38	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	25	−10	23	− 9	965	+ 50	34	+ 2
	7. ENGLAND, N.W.	31	+ 3	29	+ 1	917	+127	36	+ 4
	8. ENGLAND, S.W.	24	−21	22	−20	1048	+173	44	+ 7
	9. IRELAND, NORTH	15	−10	14	−10	915	+ 81	32	+ 2
	10. IRELAND, SOUTH	15	−19	14	−19	887	+ 11	35	+ 1
	—CHANNEL ISLANDS	30	−29	28	−27	1238	+135	49	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was mostly fair and dry during the early part of the week, the only exception being on the 28th July, when heavy rain fell over our eastern and southern counties. After the middle of the period, however, unsettled, rainy conditions spread gradually over the United Kingdom from the westward, and, on the 2nd August, smart thunderstorms occurred in many parts of England.

Temperature was below the mean in all districts, the deficit amounting in most cases to between 2° and 3°, but in England E. to 4°. Highest readings, which occurred at various times during the week, were below 70° in most of the western and northern districts, and very little above that point in any other part of the Kingdom. Lowest readings were also registered on varying dates, and were low for the time of year; in England E. the thermometer fell to 39°, and in Scotland N. and W. and England S.W. to 38°. In the Channel Islands, however, it did not go below 53°.

Rainfall exceeded the mean in England E. and S. and the Channel Islands, as well as in Ireland N., but showed a deficiency in all other districts. In England N.E. and N.W. the fall amounted to only half the normal.

Bright Sunshine was considerably less than the mean over the United Kingdom generally, but was slightly in excess of the normal in Scotland E. and England N.W. The percentage of the possible duration ranged from 29 in England N.W. and 28 in England E. and the Channel Islands to 15 in England N.E. and 14 in Ireland.

Barometer and Wind.—After the passage of a small depression across the south-east of England on the 28th July the barometer rose generally, and an anticyclone of moderate height spread over our Islands from the westward, the wind being North-Easterly on our southern coasts, but Westerly or South-Westerly in the north. On the 31st July, however, the anticyclone moved away to the southward, and during the remainder of the week a series of depressions appeared off our western coasts, and extended gradually eastwards over the entire Kingdom. Southerly or South-Westerly winds, therefore, set in very generally, and blew strongly on some of the more exposed parts of our western coasts.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 181 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	62	46	58·6	49·0	53·5	+ 0·5	81	0	4	0·51	−0·09	*	*	*	*
	Stornoway	64	46	60·3	49 1	54·3	− 0·4	86	0	4	0·34	−0·39	28·2	−0·3	25	− 1
	Wick	65	38	60·7	45·4	52·5	− 2·8	74	0	4	0·58	+0·01	*	*	*	*
	Glencarron ℌ	60	49	59·1	44·8	51·4	− 3·1	63	0	4	0·30	−1·17	*	*	*	*
	Fort Augustus ℌ	64	44	61·3	47·3	53·8	− 3·0	83	0	5	0·34	−0·36	10·3	?	9	?
	Fort William ℌ	63	45	60·0	49·4	54·3	− 2·5	86	0	6	0·78	−0·51	15·8	?	14	?
1. SCOTLAND, E.	Nairn	66	42	64·4	45·6	54·4	− 3·0	87	0	4	0·33	−0·32	*	*	*	*
	Aberdeen	64	44	61·6	48·6	54·7	− 2·5	89	0	4	0·09	−0·61	38·3	+ 1·8	34	0
	Braemar ℌ	60	41	57·8	45·0	51·0	− 3·6	63	0	4	0·13	−0·63	13·7†	?†	12†	?†
	Ochtertyre ℌ	65	42	62·6	47·7	54·6	− 2·6	88	0	4	0·41	−0·39	*	*	*	*
	Leith	69	48	64·6	50·7	57·2	− 1·6	106	0	3	0·53	−0·08	*	*	*	*
	Marchmont ℌ	64	45	61·3	48·9	54·6	− 2·3	88	0	4	0·30	−0·50	11·0	?	10	?
2. ENGLAND, N.E.	Alnwick Castle	65	46	62·0	49·9	55·5	− 2·1	95	0	5	0·40	−0·31	*	*	*	*
	Durham	67	44	63·3	48·6	55·4	− 3·9	94	0	4	0·39	−0·28	16·9	−19·7	15	−18
	Shields	68	45	62·0	49·7	55·4	− 2·8	94	0	2	0·20	−0·51	*	*	*	*
	Scarborough ℳ	70	50	64·4	51·8	57·7	− 1·8	110	0	2	0·40	−0·30	*	*	*	*
	York	72	48	65·6	51·1	57·9	− 1·9	111	0	4	0·31	−0·32				
	Spurn Head	69	52	62·6	53·4	57·7	− 2·5	110	0	2	0·18	−0·24	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	73	39	66·4	48·5	56·8	− 4·1	104	0	3	0·59	−0·11	31·9	−11·8	29	−19
	Yarmouth	67	51	63·4	53·6	58·2	− 2·9	113	0	3	1·14	+0·46	*	*	*	*
	Geldeston	68	43	64·6	50·5	57·1	− 3·8	106	0	4	1·12	+0·62	27·8	−17·8	24	−17
	Cambridge	73	42	66·9	49·1	57·4	− 4·4	108	0	3	1·02	+0·59	29·6	−13·1	28	−14
	Rothamsted	72	43	65·3	50·7	57·5	− 2·9	109	0	4	0·65	+0·05	30·6	?	29	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	71	48	66·1	50·4	57·7	− 2·4	110	0	4	0·43	−0·17	*	*	*	*
	Loughborough	68	46	65·7	51·7	58·2	− 3·0	113	0	2	0·40	−0·17	*	*	*	*
	Stamford (Ketton Hall)	70	42	66·7	49·1	57·3	− 4·1	107	0	3	0·52	0·00	*	*	*	*
	Cheadle ℳ	65	46	63·3	49·6	56·0	− 1·9	98	0	3	0·39	−0·34	*	*	*	*
	Solihull	67	43	64·0	49·9	56·5	− 3·3	102	0	3	1·04	?	*	*	*	*
	Churchstoke ℳ															
	Hereford ℳ	70	46	66·4	51·2	58·3	− 2·1	114	0	2	0·08	−0·49	*	*	*	*
	Cirencester	66	43	63·6	50·6	56·7	− 2·7	103	0	3	0·50	−0·24	19·7	−21·0	18	−32
	Oxford	69	45	65·3	52·1	58·2	− 2·9	113	0	4	0·43	−0·17	23·8	−19·0	22	−18
5. ENGLAND, S.	London	71	47	66·7	53·4	59·6	− 3·0	123	0	3	0·57	+0·05	18·6	−20·7	17	−19
	North Foreland	68	54	63·7	55·9	59·5	− 2·2	123	0	4	0·56	?	*	*	*	*
	Strathfield Turgiss ℳ	73	42	67·2	51·0	58·5	− 2·9	116	0	4	0·29	−0·23	*	*	*	*
	Dungeness	67	51	64·1	55·6	59·6	− 2·5	123	0	4	0·51	+0·04	*	*	*	*
	Hastings (St. Leonards)	66	51	65·6	55·1	60·0	− 2·2	126	0	5	1·47	+0·92	22·7	−26·0	21	−25
	Southampton	71	48	66·9	52·6	59·3	− 3·0	121	0	5	0·85	+0·19	20·2	−26·3	19	−26
	Hurst Castle	68	49	64·1	53·1	58·7	− 3·4	117	0	4	0·85	+0·36	*	*	*	*
	Stowell ℳ	71	44	65·7	50·5	57·6	− 4·4	109	0	4	1·02	?	*	*	*	*
6. SCOTLAND, W.	Landale (Loch Sunart)	64	43	62·1	48·5	54·8	− 2·3	90	0	7	0 34	−0·90	*	*	*	*
	Glasgow	63	47	61·0	50·1	55·2	− 2·1	92	0	4	0·90	+0·04	17·2	−11·5	15	−11
	Ardrossan	64	47	60·9	50·7	55·4	− 2·5	94	0	4	0·41	−0·34	*	*	*	*
	Glenlee ℌ	65	38	62·3	47·4	54·3	− 2·6	86	0	4	0·73	−0·35	*	*	*	*
	Douglas (Isle of Man)	67	48	63·0	50·6	56·4	− 1·0	101	0	3	0 21	−0·58	33·6	− 6·7	31	− 6
7. ENGLAND, N.W.	Stonyhurst	65	44	62·6	48·6	55·1	− 3·9	92	0	3	0·82	−0·26	29·8	− 4·9	27	− 5
	Blackpool ℳ	66	43	64·8	50·8	57·3	− 2·5	107	0	3	0·36	−0·42	43·8	+ 5·5	40	+ 4
	Manchester (Prestwich)	66	41	62·5	48·8	55·2	− 3·5	92	0	3	0·57	−0·37	21·6	?	20	?
	Liverpool Obsy. (Bidston)	65	51	63·0	52·6	57·4	− 2·6	108	0	3	0·23	−0·42	*	*	*	*
	Llandudno ℳ	64	48	62·9	51·7	56·9	− 3·4	104	0	4	0·19	−0·46	42 5	+ 6·5	39	+ 4
	Holyhead	63	49	60·9	51·9	56·1	− 3·4	99	0	3	0·34	−0·27	*	*	*	*
8. ENGLAND, S.W.	Llandovery	68	38	65·6	48·6	56·5	− 2·8	102	0	3	0·72	−0·29	*	*	*	*
	Pembroke	63	51	60·6	53·6	56·9	− 2 3	104	0	3	0·22	−0·40	27·9	−17·1	24	−17
	Bristol (Montpelier)	69	51	66·5	54·3	60·0	− 0·3	126	0	2	0·51	−0·27	*	*	*	*
	Arlington (N. Devon)	65	44	62·1	48·9	55·0	− 3·6	91	0	3	1·54	+0·38	*	*	*	*
	Cullompton ℳ	70	44	65·3	50·8	57·6	− 2·0	109	0	4	0·53	−0·13	17·6	−21·4	17	−22
	Falmouth	66	53	63·8	54·1	58·6	− 1·6	116	0	4	0·59	−0 26	30·3	−15·5	29	−17
	Plymouth	63	49	63·0	53·6	58·0	− 3·5	112	0	3	0·54	−0·16	21 0	−21·8	20	−23
	Prawle Point	66	51	62·7	53·0	57·5	− 2·2	109	0	3	0·24	−0·31	*	*	*	*
9. IRELAND, N.	Malin Head	62	52	60·0	52·7	56·1	− 1·7	99	0	4	1·64	?	*	*	*	*
	Londonderry	68	50	63·3	51·1	56·8	− 1·5	104	0	5	1·59	+0·72	*	*	*	*
	Edenfel (Omagh)	?	46	?	49·9	?	?	?	0	5	0 92	+0·12	*	*	*	*
	Belmullet	63	48	60·3	52·1	55·9	− 2·7	97	0	4	0·97	?	*	*	*	*
	Markree Castle	67	47	62·7	49·0	55·4	− 1·2	94	0	4	0·53	−0·20	23·0	− 5·5	21	− 7
	Brookeborough	63	50	62·4	51·0	56·3	− 0 9	100	0	3	1·12	+0·22	*	*	*	*
	Armagh	66	46	62·1	49·3	55·8	− 2·5	93	0	4	0·37	−0·40	13·5	−13·7	11	−13
	Donaghadee	63	44	60·7	49·7	54·8	− 2·4	90	0	4	1·03	+0·28	*	*	*	*
	Edgeworthstown	66	45	61·4	49·1	54·8	− 2·7	90	0	3	0·72	−0·15	*	*	*	*
10. IRELAND, S.	Dublin	66	51	63·3	53·0	57·8	− 2·0	111	0	3	0·67	+0·07	13·0	−22·5	12	−23
	Parsonstown	65	49	62·0	51·7	56·5	− 2·3	102	0	3	0·37	−0·37	14·0	−18·4	13	−16
	Kilkenny	65	46	62·4	51·6	56·6	− 2·0	102	0	3	0·19	−0·47	*	*	*	*
	Roche's Point	64	51	62·6	53·3	57·6	− 2·5	109	0	3	0·45	−0·32	*	*	*	*
	Valencia	63	44	60·7	51·6	55·8	− 3·3	97	0	3	0·53	−0·44	18·7	−16·3	17	−17
	Killarney	703	46	61·1	50·1	55·2	− 3·6	92	0	4	0·90	?	*	*	*	*
	Foynes	63	48	61·6	51·1	56·0	− 2·3	98	0	3	0·96	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	64	53	62·7	55·1	58·6	− 2·0	116	0	3	0·47	−0·11	37·6	?	36	?
	Jersey	68	56	65·3	56·9	60·8	− 2·0	132	0	4	0·97	+0·47	26·2	−28·3	25	−27

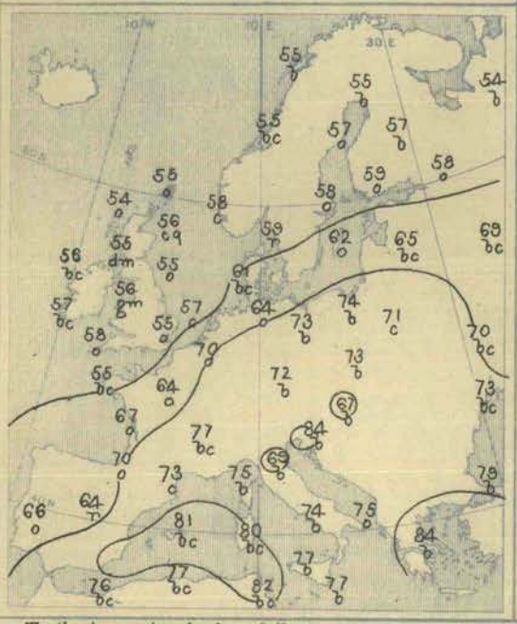
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

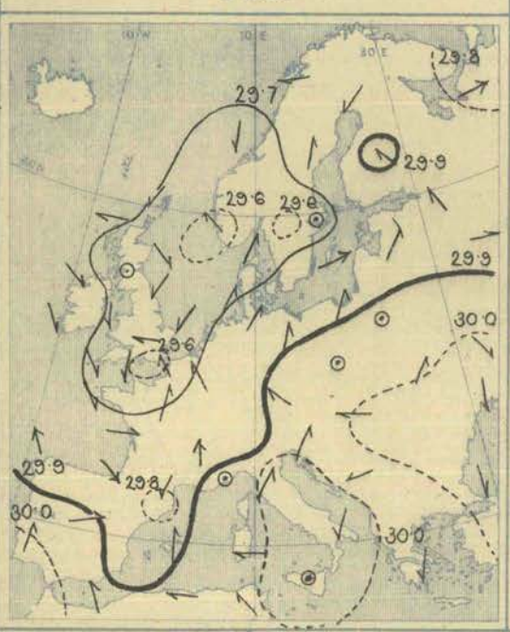
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 28th July.

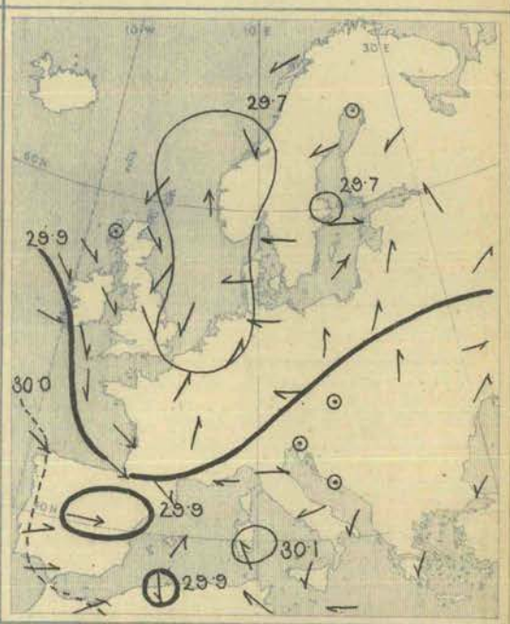
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy or dull over western Europe generally, with rain over the central and south-eastern parts of England, as well as in Holland and the north-east of France. Rainy also in Denmark and the south of Sweden, but fine in the west of Norway. Fine over Russia and the greater part of central and southern Europe, but dull over the Spanish Peninsula, with rain at Madrid. Heavy rain falling later in the east of England, as well as in many parts of Scandinavia, Denmark, Germany, and France. Thunderstorms occurring in Germany and also at the Helder and Clermont.

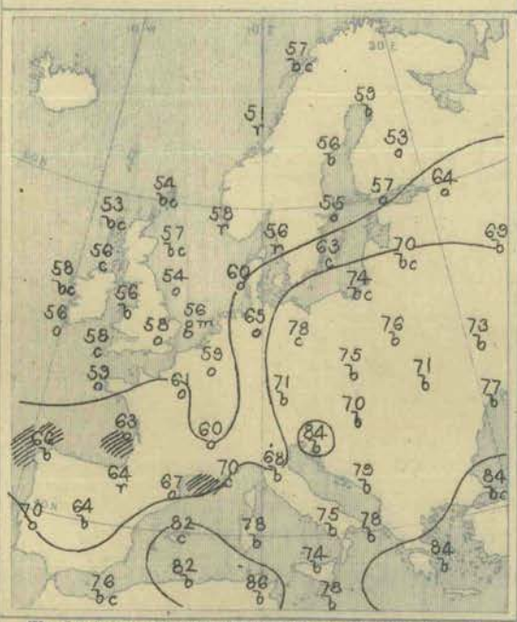
Temperature fallen in most places. Morning readings highest, 84° at Trieste, Athens, and Patras, 82° at Sfax, and 81° at Palma; above 70° in most parts of central and southern Europe. Lowest, (1) 51° at Uleaborg, 52° at Carlstadt, and 54° at Archangel; (2) 53° at Malin Head, 54° at Stornoway, and 55° at several stations in our Islands. Remaining below 60° all day at several of our own northern stations and also in London, but reaching 68° at the North Foreland. Exceeding 90° in many parts of central and southern Europe, the highest readings of all being 98° at Perpignan and 93° at Florence.

Wind Northerly (North-Westerly to North-Easterly) over the greater part of our Islands, but Easterly in the extreme north of Scotland. Moderate from the North-Westward or Westward in the west of France; Southerly over central France, the Netherlands, and Denmark; Easterly or North-Easterly in Norway. Variable over Russia, Austria, and Italy: chiefly South-Westerly over the Spanish Peninsula. Subsequently shifting to the Eastward over Denmark and north Germany; no important change occurring elsewhere.

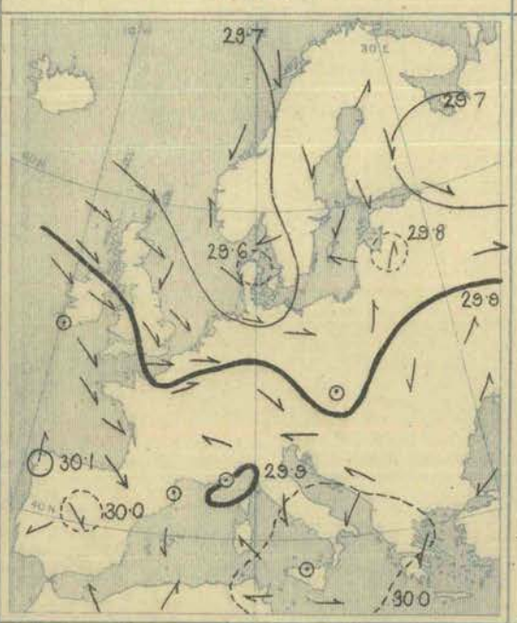
Barometer highest, 30·0 ins. and upwards in three separate areas lying respectively over south-eastern Eurcpe, over Italy, and over the extreme south of Spain. Lowest, 29·6 ins. and less in two depressions, one lying off the south of Norway, and the other over the south of England and the eastern parts of the Channel. Both depressions moving north-eastwards later, the former to central Sweden and the latter to the southern part of the North Sea; barometer rising over western Europe generally.

Monday, 29th July.

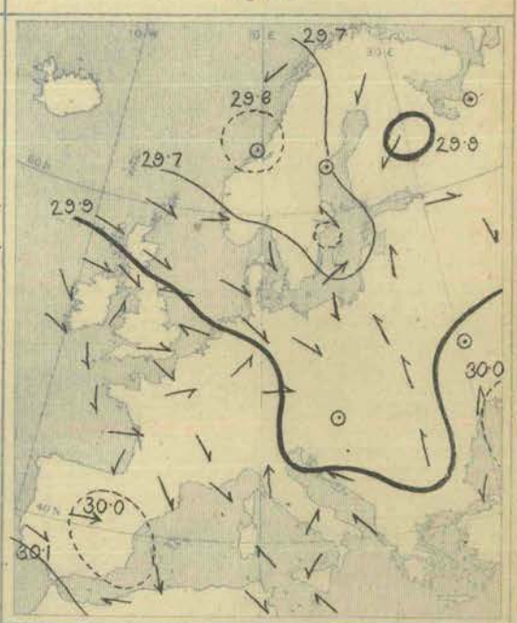
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fair over the United Kingdom generally, but dull at several of our north-eastern stations. Dull over the central and southern parts of France, with rain at Belfort and Biarritz; fine over central, southern, and south-eastern Europe generally, as well as in the north of Scandinavia; dull over north Germany, Denmark, and the Netherlands; rainy over the southern parts of Norway, and also at Carlstadt and Faerder. Showers falling during day at several of our own northern stations. Thunderstorms occurring in many parts of Germany and Austria, and also in the south of France.

Temperature fallen over France and western Germany; risen over Russia and eastern Germany; changed irregularly elsewhere. Morning readings highest, 86° at Tunis, and 84° at Trieste, Athens, Patras, and Constantinople, above 75° at several of the Mediterranean, Adriatic, and Black Sea stations. Lowest, (1) 53° at Stornoway, and 54° at Sumburgh Head, Leith, and Shields; (2) 53° at Kuopio and 54° at Carlstadt. Remaining below 60° all day on some parts of our north and north-east coasts, but rising a little above 65° at some of our central and southern stations. Exceeding 90° in many parts of Italy and Austria.

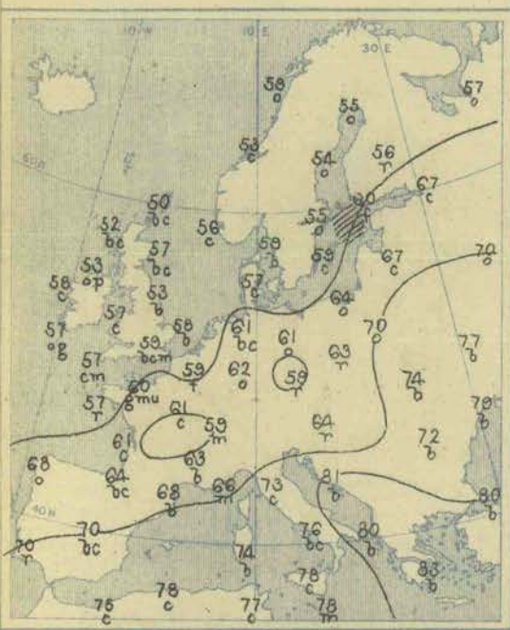
Wind light to moderate from the North-Westward over our Islands, the Netherlands, and the greater part of France, Westerly or South-Westerly in Germany, Southerly or South-Easterly over the Baltic; Easterly in the south of Scandinavia. Light from the Northward or North-Westward in Finland, and from the Westward or South-Westward over the central and southern parts of Russia. North-Easterly over Greece and the southern parts of Italy, variable in Spain; Easterly or North-Easterly on the Portuguese coasts. No important change occurring during day.

Barometer highest, 30·0 ins. and upwards in an area spreading from the Atlantic over the south-west of Ireland, the Bay of Biscay, the Spanish Peninsula, and the southern parts of France, as well as in another system over the south of Russia. Lowest, 29·6 ins. and less in a well-marked depression over the north of Denmark, 29·7 ins. and less in another disturbance over northern Russia. Danish depression subsequently moving north-eastwards to the south of Sweden, and barometer rising slowly over western Europe generally

Tuesday, 30th July.

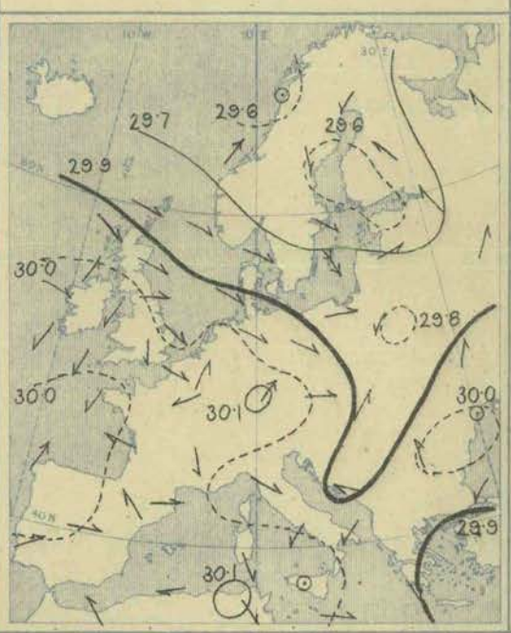
Temperature and Weather.

8 a.m.

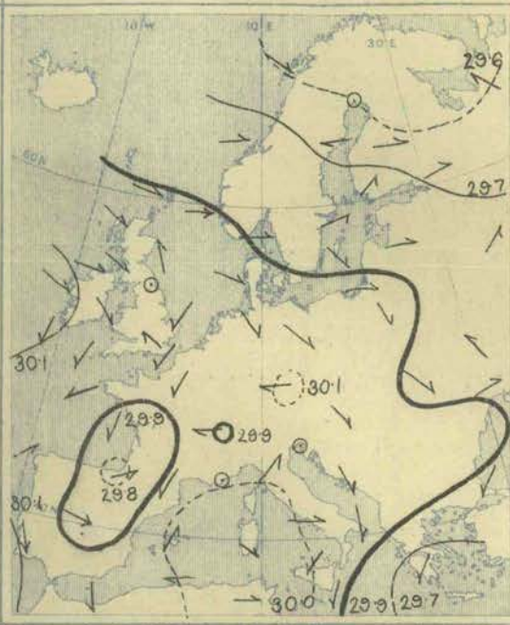


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over western, southern, and south-eastern Europe generally, but dull in the south-west of our Islands and the north-west of France, as well as on the Portuguese coasts, with rain at Brest and Lisbon, and thunder at Lorient. Dull in most of the northern and central countries, with rain in Finland and eastern Germany, as well as at Vienna, and with fog in the Gulf of Finland. Thunderstorms occurring later in many parts of France; rain falling over the northern parts of Russia and Scandinavia.

Temperature fallen several degrees in Germany, but changed irregularly elsewhere. Morning readings highest, 83° at Athens, 82° at Patras, 81° at Lesina, and 80° at Brindisi, Constantinople, and Sfax, above 70° over Italy, the Mediterranean, and eastern Europe generally. Lowest, 50° at Sumburgh Head, 52° at Stornoway, and 53° at Christiansund, Shields, and Malin Head. Rising during day to between 65° and 70° at most of the English stations, and reaching 72° at York; exceeding 70° in Germany, exceeding 80° over southern Europe generally, and reaching 90° in many places.

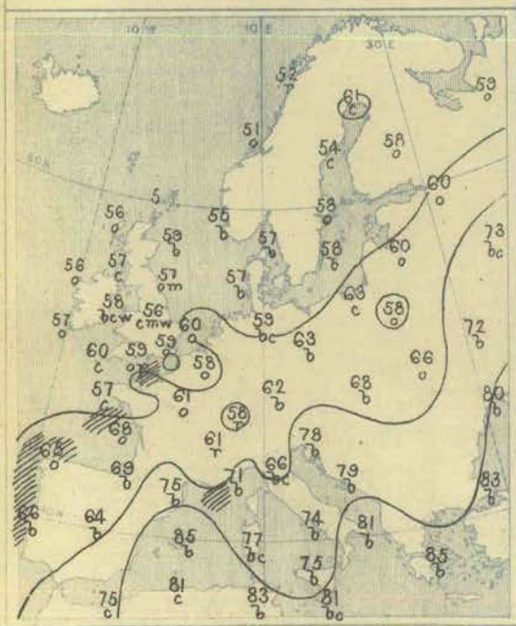
Wind light to moderate from the Westward or North-Westward in all the more northern and eastern parts of our Islands, as well as over the greater part of Denmark, Germany, and the south of Scandinavia, but blowing a gale from North-North-West at Wisby; South-Easterly or Easterly over the northern parts of Sweden and Russia. Moderate to strong from the South-Westward on the Portuguese coasts, light to moderate from the South-Eastward in the south-west of France, and from the North-Eastward over Brittany and the south-west of our Islands. Variable over Italy, Greece, and the Mediterranean. No important change occurring over western Europe during day.

Barometer highest, 30·0 ins. and upwards over Ireland, England, France, west and south Germany, Spain, and the central parts of the Mediterranean. Lowest, 29·6 ins. and less in two shallow depressions, one lying over western Finland, and the other off the north-west of Norway; 29·8 ins. and less in a small disturbance over Poland; 29·35 ins. and less in a shallow system over the Bay of Biscay. Depression over Bay of Biscay subsequently moving south-eastwards, anticyclone beginning to spread over Ireland from the westward.

Wednesday, 31st July.

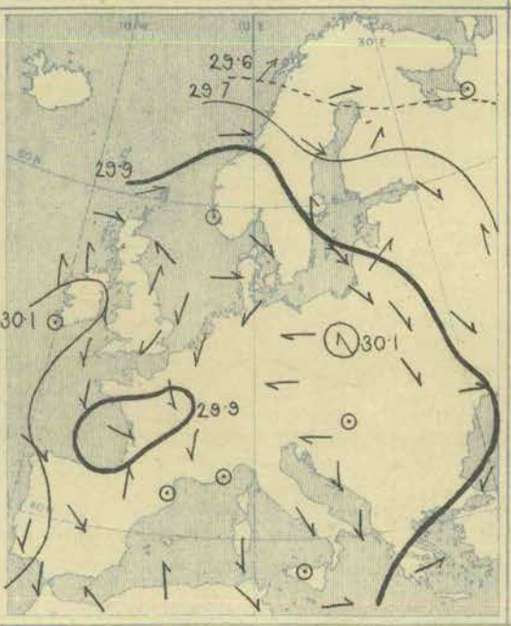
Temperature and Weather.

8 a.m.

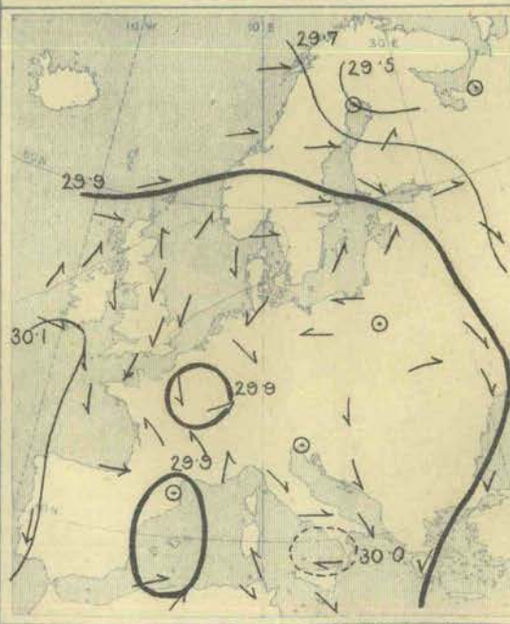


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull over the greater part of our Islands, with showers at some of the Channel stations and also at Malin Head, fine in Wales, the north-east of Scotland, and on the east coast of England. Fair or fine in most of the Continental countries, but dull and rainy over the central parts of France; dull also in the west of Norway, with rain at Bodö. Rain falling in the extreme north and north-west of our Islands and the northern parts of Scandinavia, as well as at some of the French, German, and Belgian stations; thunderstorms occurring in many parts of France and Germany.

Temperature fallen in many parts of central and southern Europe, changed irregularly elsewhere. Morning readings highest, 85° at Palma and Athens, 83° at Constantinople and Tunis, and 82° at Sfax; above 75° at most of the Mediterranean and Adriatic stations, as well as in the south of Russia. Lowest, 51° at Christiansund, 52° at Bodö, 53° at Sumburgh Head, and 54° at Hernösand and Malin Head. Rising during day to 65° and upwards in many parts of Great Britain, and reaching 69° in London; exceeding 80° in most parts of southern Europe and reaching 90° at Palermo and Malta.

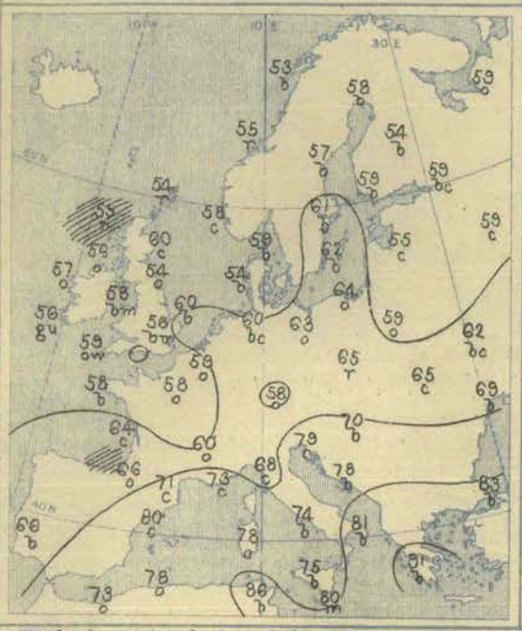
Wind light to moderate from the Eastward in Germany, and from the North-Eastward over England, the Netherlands, and the north of France; calm or variable in the south of France; Northerly or North-Westerly over Italy and the Spanish Peninsula. Light from the Southward in the north of Ireland and from the Westward in Scotland. Moderate to strong from West or North-West over Scandinavia and the Baltic, with a gale at Wisby; calm or variable over Austria and the south of Russia. Subsequently backing to the South-Westward over Ireland and Scotland generally, no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone extending from the Atlantic over Ireland and also over Portugal. Lowest, 29·6 ins. and less over the extreme northern parts of Russia and Scandinavia, 29·9 ins. and less in a shallow depression over the Bay of Biscay and western and central France. Anticyclone subsequently moving southwards, and barometer falling a little on all our western and northern coasts. French depression moving eastwards and partially filling up.

Wyman & Sons, Lt.Lith. 63, Carter Lane.

Thursday, 1st August.

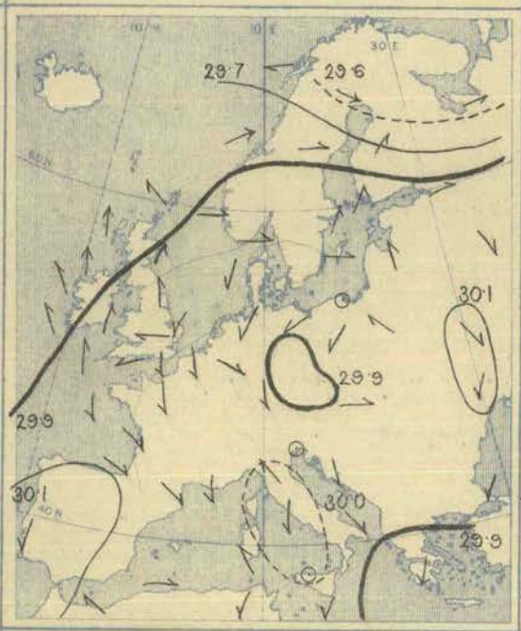
Temperature and Weather. 8 a.m.

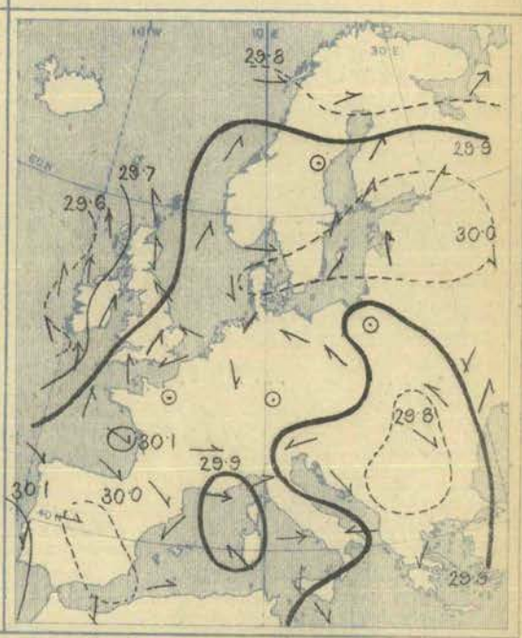


Weather in morning cloudy or dull in all but the south-eastern parts of our Islands, with rain at Parsonstown. Fine in the south-east of England, as well as at most of the Continental stations, but dull over Germany and central France, with rain at Breslau. Rain falling also at Christiansund. Rain falling later in all the more western parts of the United Kingdom, rather heavily in the north of Ireland. Solar halos seen in the south of England; lightning occurring at Prawle Point at night. Heavy rain falling in the north of France, and thunderstorms occurring over western and southern Germany.

Temperature changed irregularly over the western and southern countries, but risen slightly in Scandinavia, and fallen quickly in Russia. Morning readings highest, 91° at Patras, 87° at Athens, 86° at Tunis, and 83° at Constantinople, above 70° over southern Europe generally. Lowest, (1) 51° at Cambridge, and 54° at Sumburgh Head, Nairn, Shields, York, Oxford and Parsonstown; (2) 53° at Bodö and 54° at Kuopio. Rising during day to 65° and upwards in most parts of Great Britain, and reaching 71° in London. Exceeding 85° in many parts of southern Europe, and reaching 95° at Hermanstadt.

Barometer and Wind. 8 a.m. and 6 p.m.



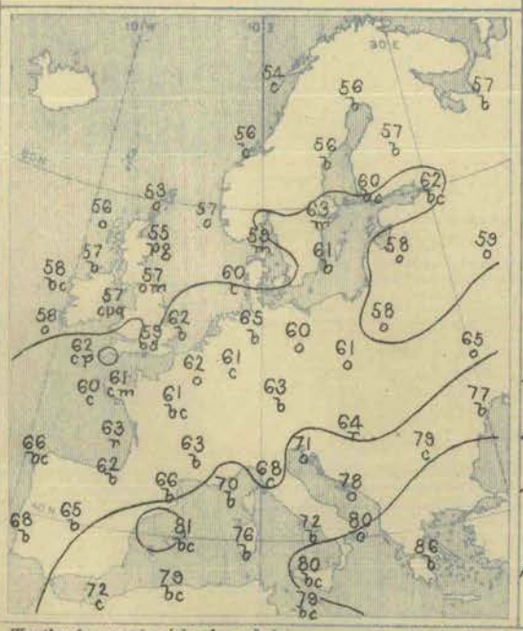


Wind Southerly in all the more western and northern parts of our Islands, and fresh in force on our extreme north-west coasts. Light from between North and East over the Channel, the south-east of England, and the Netherlands; moderate from the North-Westward in the west of France, and light from the same quarter in Italy and the south of France. Moderate to strong from the Westward over Scandinavia and northern Russia. Subsequently increasing to a strong breeze or moderate gale from the Southward on our south-west coasts, backing to the same quarter in the south-east of England.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the Spanish Peninsula, and also in another system over the south of Russia. Lowest, 29·6 ins. and less over northern Russia; 29·8 ins. and less in a depression lying to the west of our Islands. Depression in west subsequently spreading eastwards, barometer falling over the United Kingdom generally, briskly on our western coasts.

Friday, 2nd August.

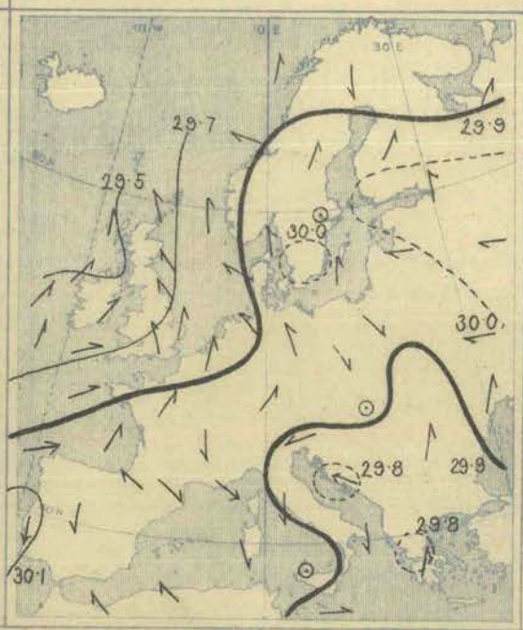
Temperature and Weather. 8 a.m.

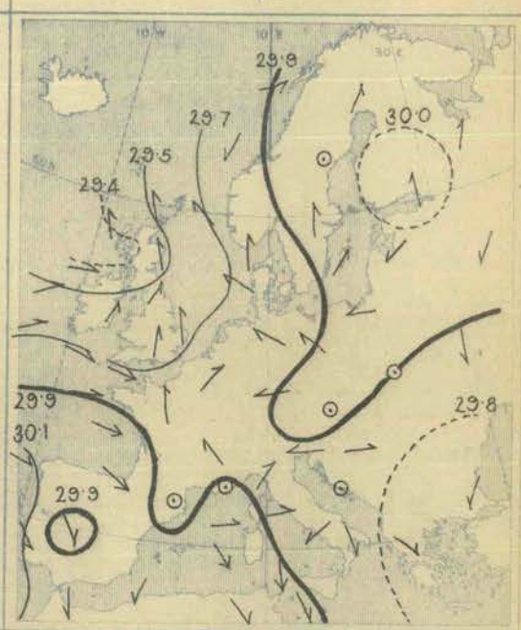


Weather in morning cloudy and showery over Great Britain and the neighbouring parts of the Continent, but fine at most of the Irish stations. Fine over the Continent generally, but dull over central Russia, Poland, and Austria, with rain at Buda-Pesth. Rain falling during day in nearly all parts of western Europe, and thunderstorms occurring at many of the English and French stations, as well as in north Germany.

Temperature risen over England, Denmark, and the Netherlands, but changed irregularly elsewhere. Morning readings highest, 86° at Athens and Patras, 81° at Palma, and 80° at Barcelona, Brindisi, and Palermo; above 70° at the Mediterranean and Adriatic stations generally, as well as over the inland parts of south-eastern Europe. Lowest, 53° at Sumburgh Head, 54° at Bodö and Wick, and 55° at Nairn, Aberdeen, and Donaghadee; below 60° in all but the eastern and southern parts of our Islands. Rising during day to between 65° and 70° at most of the English stations; exceeding 80° over southern Europe generally, and reaching 91° at Madrid.

Barometer and Wind. 8 a.m. and 6 p.m.



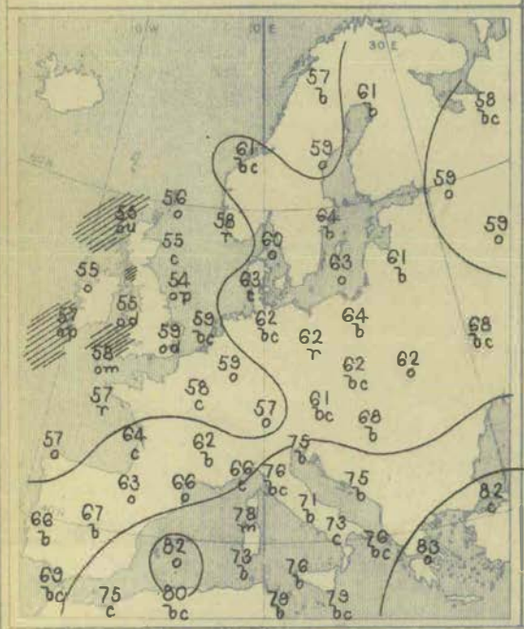


Wind light to fresh from the South-Westward in the west and south of our Islands, and also over the northern and central parts of France; light to moderate from the Southward or South-Eastward on our north and east coasts, and on the eastern shores of the North Sea. Southerly or South-Westerly over Sweden and northern Russia. Light and variable over the greater part of central and southern Europe, but Northerly or North-Westerly in several parts of Spain, Italy, and the south of France. Subsequently veering to the Westward on many parts of our western and southern coasts; no important change occurring elsewhere.

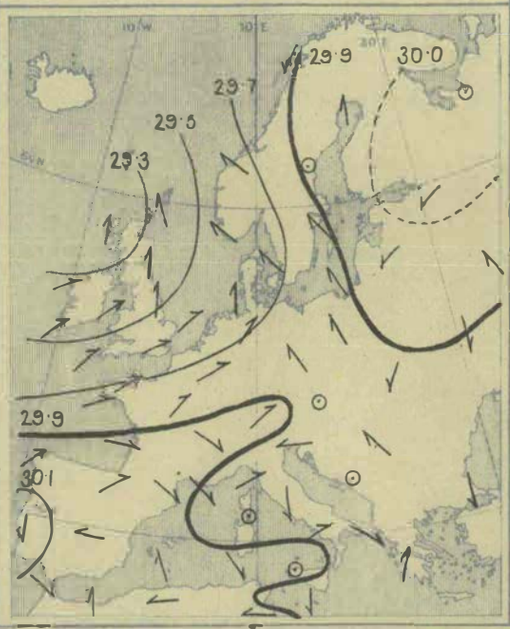
Barometer highest, 30·0 ins. and upwards over Spain, the southern parts of France and Germany, as well as in two other areas situated respectively over central Russia and over the southern parts of the Baltic. Lowest, 29·5 ins. and less in a depression off our extreme north-west coasts; 29·8 ins. and less in shallow systems over Greece and the central parts of the Adriatic. Depression in north-west subsequently spreading eastwards, but barometer rising again on our south-west coasts.

Saturday, 3rd August.

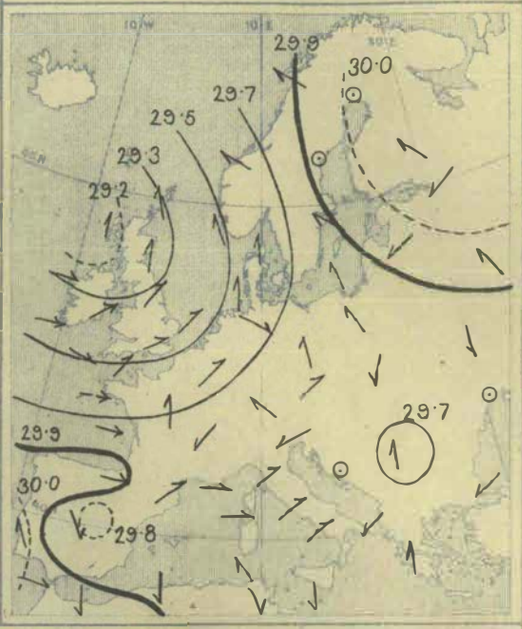
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and showery over the United Kingdom and the neighbouring parts of the Continent. Fine over Sweden, eastern Germany, Austria, and southern Europe generally; dull over central Russia. Rain falling during day in all the more western countries, heavily at Malin Head and also at Faerder, and at some of the French and German stations. Thunderstorms occurring in parts of Germany and Austria.

Temperature fallen in our Islands and France, risen in Scandinavia, changed irregularly elsewhere. Morning readings highest, 83° at Athens, 82° at Palma and Constantinople, and 80° at Algiers; above 70° over southern and south-eastern Europe generally, but below that point over the Spanish Peninsula. Lowest, 54° at Shields and Malin Head, and 55° at Stornoway, Nairn, Aberdeen, Belmullet, and Holyhead. Rising during day to between 60° and 65° in most parts of the United Kingdom; exceeding 80° in many parts of southern Europe, and reaching 104° at Madrid.

Wind moderate to fresh from the South-Westward on our western and southern coasts, as well as over the greater part of France, western Germany, and the Netherlands. Light from the Southward in the north and east of our Islands; moderate from the same quarter or from South-East over north Germany, Denmark, and the south of Scandinavia. Variable in Austria and also in the south of France; chiefly Westerly in Italy; Northerly on the Portuguese coasts. Subsequently veering to the Westward on the west coasts of our Islands and France; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in Portugal; 30·0 ins. and upwards over northern Russia. Lowest, 29·2 ins. and less in a depression lying off the west of Scotland, 29·7 ins. and less in a shallow area over Asia Minor. Scotch depression subsequently moving slowly eastwards; small secondary disturbances forming over Ireland and England; barometer falling over western Europe generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week a large and complex area of low pressure moved north-eastwards across north-western and northern Europe, the weather being generally cloudy and unsettled, with rain and thunderstorms in many places. Over the southern countries, however, the barometer was fairly high and uniform, and the weather fair.

In the rear of the low pressure system an anticyclone of moderate height spread over our Islands and their immediate neighbourhood from the westward, so that a decided improvement in the weather took place, the wind being Westerly on our northern coasts, but North-Easterly in the south. Owing, however, to the advance in an easterly direction of a shallow depression over France and Germany on the 30th and 31st July, the weather in those countries remained very unsettled and thundery.

After the 31st, the anticyclone in our neighbourhood moved away to the southward and a series of depressions appeared off our western coasts, the latter systems eventually spreading over the entire Kingdom. The winds over western Europe consequently shifted to the Southward or South-Westward and the weather again became unsettled and rainy, with thunderstorms in many parts of England and France on the 2nd August.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 182.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	15·9	?	14	?	EASTBOURNE	23·7	?	22	?
OSWALDKIRK (Yorkshire)	14·8	?	14	?	MANCHESTER (Oldham Road)	18·8*	?	17*	?
WORKSOP	13·4	−22·4	12	−21	TENBY	26·6*	?	25*	?
THURCASTON (Leicestershire)	24·2	−13·1	23	−13	NEWQUAY	20·5	?	20	?
MARGATE	12·1	?	11	?	TORQUAY	20·4*	?	19*	?
WESTBOURNE (Sussex)	24·4*	?	23*	?	ARLEY COTTAGE (County Cavan)	9·1	?	8	?
BRIGHTON	21·8	?	21	?	GUERNSEY	25·8*	?	24*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 32.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 10TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 188.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	68	44	62·2	50·7	56·2	1 above	99	+17	0	0	1253	+139	811	+242
	1. SCOTLAND, EAST	72	44	64·6	50·7	57·2	1 above	106	+ 2	0	0	1430	- 32	988	+415
	2. ENGLAND, N.E.	73	44	65·2	51·9	58·2	1 below	113	0	0	0	1585	+ 52	783	+277
	3. ENGLAND, EAST	75	44	67·8	51·4	59·1	2 below	120	- 4	0	0	1823	+ 14	854	+283
	4. MIDLAND COUNTIES	74	39	66·3	50·0	57·7	2 below	110	-10	0	0	1836*	+ 33	934	+373
	5. ENGLAND, SOUTH	75	43	66·8	53·1	59·6	2 below	123	- 9	0	0	1918	- 26	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	68	40	63·2	50·8	56·6	1 below	102	0	0	0	1539	+ 24	778	+334
	7. ENGLAND, N.W.	70	43	63·9	52·4	57·8	2 below	111	- 2	0	0	1657	+ 35	725	+303
	8. ENGLAND, S.W.	70	38	63·3	51·7	57·1	3 below	106	-13	0	0	1804	+ 2	654	+337
	9. IRELAND, NORTH	71	38	62·6	49·2	55·5	2 below	95	-10	0	0	1601	- 23	635	+268
	10. IRELAND, SOUTH	69	41	62·8	50·2	56·2	3 below	99	-15	0	0	1762	- 79	479	+195
	—CHANNEL ISLANDS	72	50	64·3	56·0	59·9	2 below	125	- 7	0	0	2011	+ 9	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 188.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	1 more	137	- 9	24·4	- 4·0	25	+12	23	+10	791	+ 10	30	0
	1. SCOTLAND EAST	5	10	3 more	112	- 6	16·5	- 1·4	27	+ 3	25	+ 2	944	+ 75	35	+ 2
	2. ENGLAND, N.E.	5	12	6 more	116	+ 7	17·7	+ 2·9	30	- 6	28	- 6	977*	+102	33	+ 3
	3. ENGLAND, EAST	6	14	8 more	102	- 4	14·2	- 0·6	41	- 1	39	- 2	1128	+ 85	39	+ 3
	4. MIDLAND COUNTIES	6	9	3 more	94	-12	14·3	- 2·2	36	- 3	34	- 3	1064	+131	36	+ 4
	5. ENGLAND, SOUTH	6	11	6 more	91	-11	13·0	- 2·4	39	- 5	37	- 6	1164	+ 72	38	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	19	10 more	117	- 9	18·4	-10·9	27	- 7	26	- 6	992	+ 43	33	+ 1
	7. ENGLAND, N.W.	5	13	5 more	102	-12	17·4	- 1·4	33	- 4	31	- 4	950	+124	36	+ 4
	8. ENGLAND, S.W.	6	16	8 more	97	-20	18·5	- 3·5	30	-15	29	-16	1278	+158	43	+ 5
	9. IRELAND, NORTH	6	10	2 more	129	- 6	18·6	- 1·8	25	- 3	23	- 4	940	+ 78	32	+ 2
	10. IRELAND, SOUTH	6	14	6 more	108	-16	21·0	- 1·5	26	- 9	25	- 9	1013	+ 2	34	0
	—CHANNEL ISLANDS	7	14	8 more	111	-13	15·6	- 2·3	40	-12	39	-12	1278	+123	48	+ 4

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week remained in a very unsettled state, with frequent falls of rain in all parts of the Kingdom. Smart thunderstorms occurred from time to time, and those experienced on Saturday were very severe in many localities.

Temperature slightly exceeded the mean in the north and east of Scotland, but was again below it in all other districts. The highest of the maxima were registered on the 9th or 10th, and varied from 75° in England S. and E., and 74° over our Midland Counties to 68° in Scotland W. and N. The lowest of the minima occurred on the 8th, when they ranged from 38° in England S.W. and Ireland N. and 39° in the Midland Counties, to 44° in several of the northern and eastern districts, and to 50° in the Channel Islands.

Rainfall exceeded the normal amount in all districts, the fall over England being about twice as much as the mean.

Bright Sunshine was again less than the mean very generally, but showed a slight excess at some of the Scotch stations. The percentage of the possible duration ranged from 39 in England E. and the Channel Islands to 25 in Scotland E. and Ireland S., and 23 in Ireland N. and Scotland N.

Barometer and Wind.—Numerous depressions appeared (advancing generally from the south-westward) over the United Kingdom and its immediate vicinity and passed away, as a rule, to eastward or north-eastward. None of the systems were very deep, but those which passed over our southern counties on Tuesday and over Ireland on Saturday night caused moderate to fresh gales in the southern and western parts of the Kingdom. With these exceptions the winds were generally moderate or fresh in force and varied in direction from South to West or North-West.

607 1|90 W. & S. Ltd
213 70 8|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 187 has been calculated.

Districts.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	62	50	58·3	51·7	54·9	+ 1·9	90	0	4	1·01	+0·34	*	*	*	*
	Stornoway	65	44	62·9	49·4	55·8	+ 1·2	97	0	4	0·24	−0·54	40·0	+12·3	36	+10
	Wick	67	46	63·9	51·7	57·4	+ 2·4	108	0	4	0·25	−0·38	*	*	*	*
	Glencarron S	65	44	62·6	48·7	55·3	+ 0·8	93	0	5	1·57	+0·09	*	*	*	*
	Fort Augustus S	68	46	62·7	51·0	56·5	+ 0·1	102	0	5	0·77	+0·08	17·5	?	16	?
	Fort William S	66	48	63·0	51·8	57·1	+ 0·6	106	0	6	1·99	+0·69	17·6	?	16	?
1. SCOTLAND, E.	Nairn	70	47	65·0	50·4	57·3	+ 0·2	107	0	5	0·27	−0·37	*	*	*	*
	Aberdeen	72	44	64·3	51·1	57·3	+ 0·5	107	0	3	0·36	−0·34	38·9	+ 3·0	36	+ 2
	Braemar S	65	45	61·7	48·4	54·7	+ 0·4	89	0	6	1·03	+0·23	24·0†	?†	22†	?†
	Ochtertyre S	71	45	67·3	50·0	58·1	+ 1·2	113	0	6	1·94	+1·14	*	*	*	*
	Leith	70	51	65·6	52·7	58·8	+ 0·2	118	0	5	0·95	+0·38	*	*	*	*
	Marchmont S	67	48	63·4	51·4	57·0	+ 0·5	105	0	4	1·49	+0·69	20·8	?	19	?
2. ENGLAND, N.E.	Alnwick Castle	67	43	63·0	52·0	57·2	− 0·1	106	0	6	1·33	+0·61	*	*	*	*
	Durham	71	44	66·0	49·6	57·3	− 1·4	107	0	6	1·19	+0·58	21·6	−14·1	20	−13
	Shields	68	49	63·4	51·3	57·0	− 1·1	105	0	4	2·01	+1·31	*	*	*	*
	Scarborough M	71	50	65·1	52·4	58·4	− 0·5	115	0	6	1·14	+0·46	*	*	*	*
	York	73	47	68·4	52·0	59·6	+ 0·2	123	0	5	0·97	+0·38	36·8	+ 2·6	34	+ 1
	Spurn Head	73	52	65·6	54·1	59·5	− 0·5	123	0	5	0·76	+0·34	*	*	*	*
3. ENGLAND, E.	Hillington M	75	44	68·5	51·1	59·3	− 1·4	121	0	5	1·89	+1·01	40·6	− 0·3	38	− 1
	Yarmouth	72	47	65·9	53·0	59·1	− 1·8	120	0	6	1·21	+0·59	*	*	*	*
	Geldeston	74	46	68·7	51·5	59·6	− 1·0	123	0	7	1·54	+1·08	41·6	− 3·0	40	− 3
	Cambridge	73	45	68·9	50·7	59·3	− 2·1	121	0	6	1·21	+0·71	42·1	+ 0·8	40	0
	Rothamsted	72	44	66·8	50·7	58·3	− 2·1	114	0	5	1·30	+0·72	38·0	?	36	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	44	69·0	51·7	59·8	+ 0·1	125	0	6	0·36	−0·22	*	*	*	*
	Loughborough	73	43	68·1	51·3	59·2	− 1·9	120	0	5	0·84	+0·27	*	*	*	*
	Stamford (Ketton Hall)	72	42	68·1	50·0	58·5	− 2·6	116	0	6	1·00	+0·52	*	*	*	*
	Cheadle M	69	46	64·0	49·9	56·5	− 1·2	102	0	7	1·52	+0·76	*	*	*	*
	Solihull	70	45	64·9	50·0	57·0	− 2·6	105	0	7	1·05	?	*	*	*	*
	Churchstoke M	69	39	64·6	47·3	55·4	− 2·6	94	0	5	0·90	+0·25	36·8	− 1·7	35	− 2
	Hereford M	70	41	66·9	49·6	57·7	− 2·5	110	0	5	0·97	+0·40	*	*	*	*
	Cirencester	69	43	64·9	48·7	56·3	− 2·9	100	0	5	0·97	+0·25	37·0	− 3·7	35	− 5
	Oxford	70	46	66·3	51·6	58·5	− 2·5	116	0	5	0·68	+0·11	34·4	− 7·7	33	− 8
5. ENGLAND, S.	London	75	47	70·0	52·7	60·8	− 1·5	132	0	7	1·18	+0·63	37·6†	− 0·8†	36†	0†
	North Foreland	69	49	66·9	53·4	59·8	− 1·6	125	0	7	0·86	?	*	*	*	*
	Strathfield Turgiss M	73	43	69·0	49·8	58·8	− 2·4	118	0	6	0·56	+0·06	*	*	*	*
	Dungeness	69	48	66·1	55·1	60·3	− 1·8	128	0	6	1·03	+0·56	*	*	*	*
	Hastings (St. Leonards)	69	50	65·2	54·8	59·7	− 2·6	124	0	5	1·39	+0·84	42·4	− 5·0	41	− 5
	Southampton	70	48	68·0	53·2	60·1	− 2·0	127	0	7	1·16	+0·53	35·4	−11·3	34	−12
	Hurst Castle	69	52	64·7	56·1	60·1	− 1·9	127	0	5	0·93	+0·43	*	*	*	*
	Stowell M	68	44	64·7	50·0	56·9	− 2·7	104	0	7	1·76	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	42	64·4	50·8	57·2	+ 0·3	106	0	6	1·49	+0·29	*	*	*	*
	Glasgow	66	48	62·7	51·8	56·9	− 0·1	104	0	6	1·39	+0·52	23·6	− 5·7	22	− 5
	Ardrossan	65	50	62·3	52·9	57·3	− 0·8	107	0	5	1·15	+0·33	*	*	*	*
	Glenlee S	65	40	64·1	48·5	55·8	− 0·7	97	0	5	3·02	+1·95	*	*	*	*
	Douglas (Isle of Man)	64	41	62·5	49·8	55·8	− 1·4	97	0	3	2·63	+1·83	30·5	− 8·8	29	− 8
7. ENGLAND, N.W.	Stonyhurst	68	45	63·3	51·7	57·2	− 1·5	106	0	5	0·81	−0·27	28·5	− 5·5	27	− 6
	Blackpool M	70	43	64·9	51·4	57·8	− 0·8	111	0	5	1·13	+0·23	30·9	?	29	?
	Manchester (Prestwich)	69	50	64·4	53·1	58·4	− 1·5	115	0	4	0·41	−0·27	*	*	*	*
	Liverpool Obsy. (Bidston)	70	48	64·6	53·1	58·5	− 1·8	116	0	7	0·63	+0·01	35·3	− 0·2	33	− 2
	Llandudno M	65	50	62·3	52·9	57·3	− 2·2	107	0	6	3·34	+2·71	*	*	*	*
	Holyhead	70	38	66·3	48·7	57·0	− 2·3	105	0	7	1·40	+0·37	*	*	*	*
8. ENGLAND, S.W.	Llandovery	62	51	60·1	54·6	57·2	− 2·1	106	0	5	1·23	+0·60	32·6	−13·2	31	−13
	Pembroke	70	46	66·5	52·0	58·8	− 1·5	118	0	6	1·72	+0·94	*	*	*	*
	Bristol (Montpelier)	65	41	62·6	49·6	55·7	− 2·7	96	0	6	1·93	+0·78	*	*	*	*
	Arlington (N. Devon)	68	43	64·9	50·6	57·3	− 2·1	107	0	7	1·74	+1·19	19·1	−21·9	18	−22
	Cullompton M	65	47	63·2	52·7	57·6	− 2·6	109	0	6	1·15	+0·30	33·3	−12·5	31	−14
	Falmouth	64	45	62·3	51·9	56·8	− 4·7	104	0	6	2·04	+1·34	32·1	−11·5	31	−13
	Plymouth	62	50	60·1	53·3	56·5	− 3·2	102	0	6	1·32	+0·80	*	*	*	*
	Prawle Point	65	50	60·6	53·0	56·6	− 1·1	102	0	4	0·51	?	*	*	*	*
9. IRELAND, N.	Malin Head	71	45	65·1	49·2	56·7	− 1·3	103	0	7	0·94	+0·06	*	*	*	*
	Londonderry	67	42	63·3	49·6	56·0	− 0·9	98	0	7	1·12	+0·36	*	*	*	*
	Edenfel (Omagh)	65	49	60·7	52·1	56·1	− 2·6	99	0	6	1·22	?	*	*	*	*
	Belmullet	69	38	63·0	47·6	54·8	− 1·8	90	0	6	1·02	+0·26	33·2	+ 4·0	31	+ 3
	Markree Castle	67	41	62·7	47·4	54·6	− 2·4	88	0	7	0·87	0·00	*	*	*	*
	Brookeborough	65	44	62·7	48·0	54·9	− 2·7	90	0	7	0·71	+0·01	16·0	−10·3	15	−10
	Armagh	70	44	63·4	48·6	55·6	− 1·5	95	0	5	1·36	+0·62	*	*	*	*
	Donaghadee	66	42	62·3	47·3	54·4	− 2·8	87	0	5	0·94	+0·10	*	*	*	*
	Edgeworthstown	69	48	64·2	51·7	57·6	− 2·0	109	0	7	1·12	+0·51	21·5	−14·7	20	−16
10. IRELAND, S.	Dublin	65	43	62·6	49·3	55·5	− 3·1	95	0	6	0·93	+0·18	21·8	−11·2	21	−10
	Parsonstown	68	41	63·1	47·6	54·9	− 3·6	90	0	6	0·94	+0·25	*	*	*	*
	Kilkenny	64	48	62·6	51·3	56·6	− 3·4	102	0	6	1·81	+1·06	*	*	*	*
	Roche's Point	67	47	62·3	51·4	56·5	− 2·6	102	0	5	2·05	+1·05	34·6	− 1·4	33	− 2
	Valencia	64	43	62·6	49·7	55·8	− 3·0	97	0	7	1·82	?	*	*	*	*
	Killarney	64	46	62·4	50·6	56·2	− 2·0	99	0	7	1·12	?	*	*	*	*
	Foynes	65	50	62·4	54·6	58·3	− 2·4	114	0	7	1·18	+0·61	36·6	?	36	?
CHANNEL ISLANDS	Scilly (St. Mary's)	72	55	66·1	57·3	61·4	− 1·5	136	0	7	1·51	+1·03	42·9	−12·1	42	−12
	Jersey															

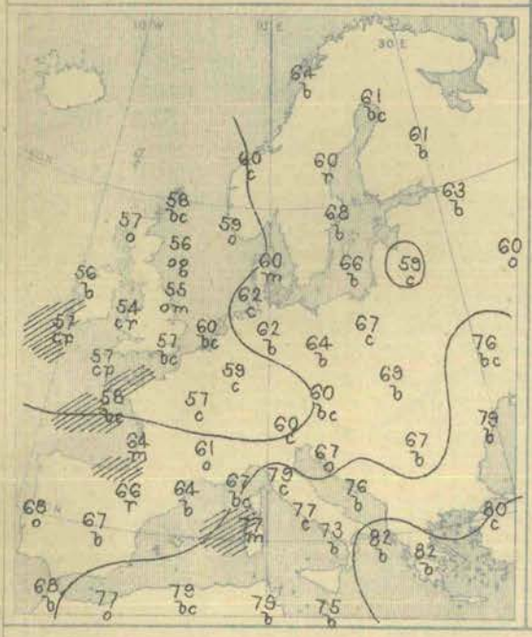
Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

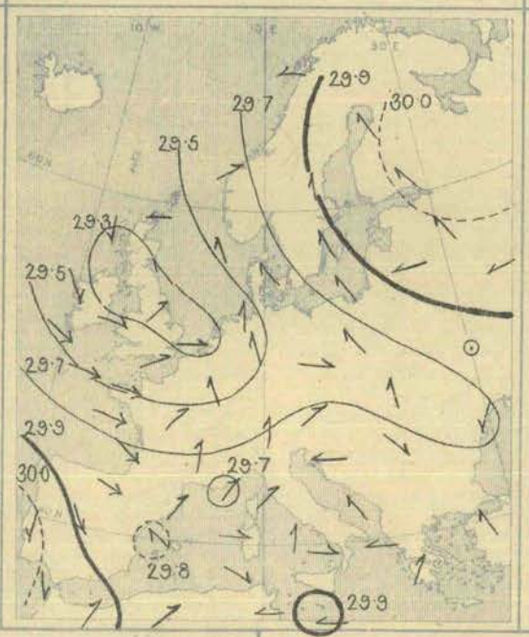
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 4th August.

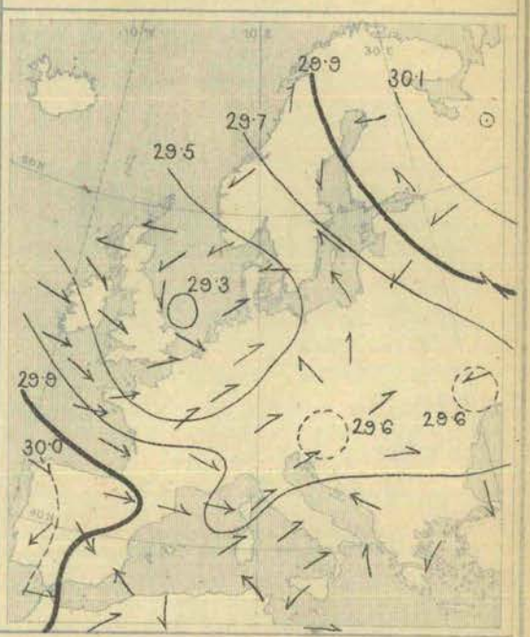
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-western and south-eastern Europe and the Mediterranean, also over Finland and Lapland; dull and very unsettled over the British Isles, France, and the North Sea, with rain in many places. Rain falling generally over our Islands and their neighbourhood later, very heavily at Shields and in the north-east of France, and considerable quantities on the eastern shores of the North Sea; thunderstorms over France and England.

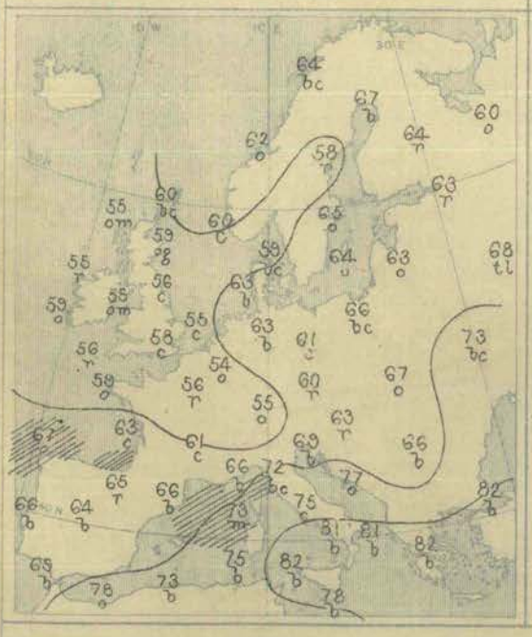
Temperature not much changed. Morning readings highest, 80° and more at the Greek stations, at Constantinople, and Brindisi, exceeding 70° at the Mediterranean stations generally, and exceeding 60° all over central and northern Europe. Lowest, 54° to 58° over the greater part of our Islands, 55° at Le Mans, 57° at Paris, 59° at Brussels and Münster. Not exceeding 68° at any of our stations all day, but rising to between 70° and 72° over Sweden and Denmark, to 79° at Nice, to 91° at Brindisi, and 95° at Oran.

Wind moderate from the South-Eastward over northern Europe, from North on our extreme north-western coasts, strong to fresh from North-West at our south-western stations and on the south-west coasts of France, from West in the Channel, and from South-East in the Netherlands. Veering to South-West over Holland and Denmark later and falling light, becoming variable at our north-western stations; no great change elsewhere.

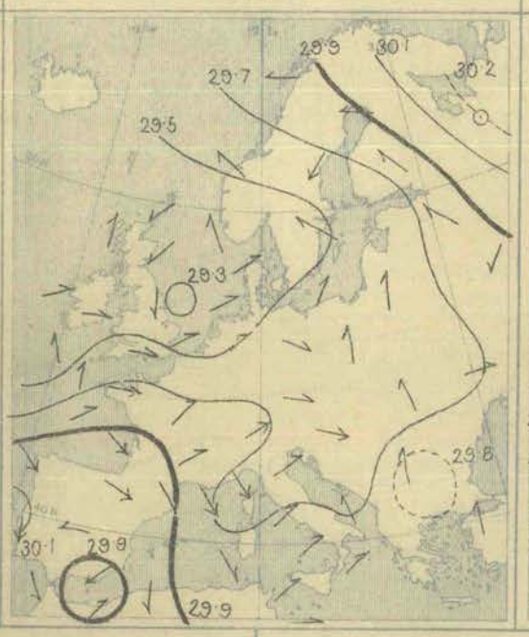
Barometer highest, (1) 30·34 ins. in the Azores; 30·0 ins. and more to 29·9 ins. over the Iberian Peninsula and south-west of France; (2) 30·1 ins. and more over Finland and the Gulf of Bothnia. Lowest, below 29·3 ins. in an elongated depression over Scotland and the north-east and east of England. Gradients moderate. Depression undergoing some modification later, and new one subsequently approaching Ireland.

Monday, 5th August.

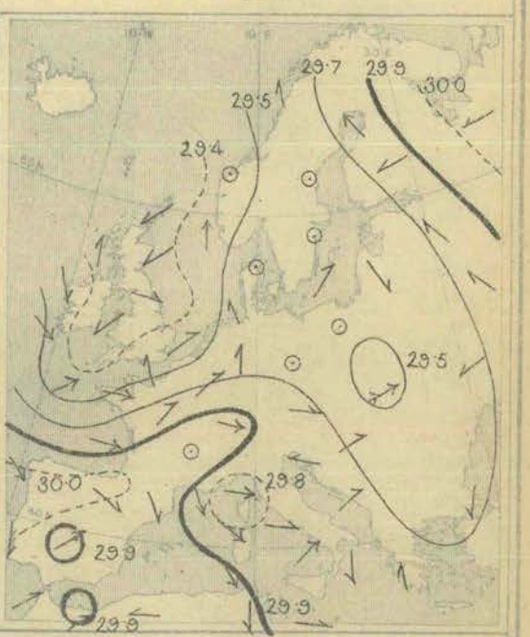
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-western and south-eastern Europe, very changeable and unsettled elsewhere, with rain at many stations, thunder and lightning at Moscow. Rain falling later in almost all parts of western Europe, the amounts exceeding half-an-inch at several of the English stations and in the south of Scotland; thunder heard in London.

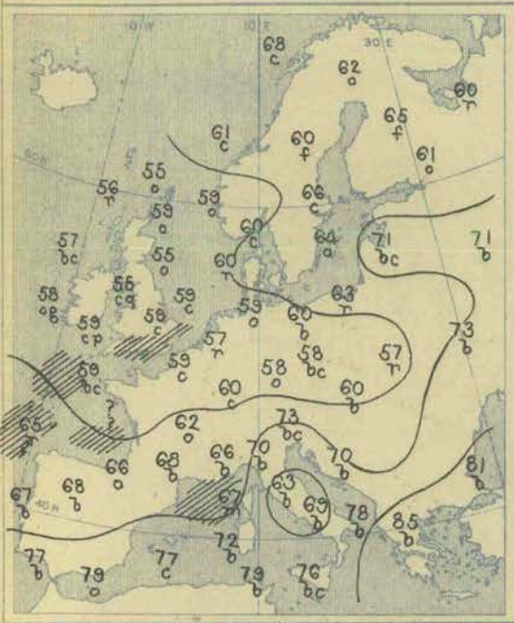
Temperature in morning highest, 82° at Constantinople, and exceeding 80° at the stations in Greece and the south of Italy; 70° and more at most of the Mediterranean stations, and exceeding 60° over central, eastern, and northern Europe. Lowest, 54° to 55° at the stations in the north of Ireland, 56° at Nairn, Shields, Liverpool, and Cambridge, not reaching 70° in any part of our Islands later, but touching 65° at Loughborough, London, Berlin, and Paris, and 84° at Nice.

Wind very variable both in direction and force. Mainly Easterly and moderate over northern Europe, Southerly and South-Easterly, light, over the Baltic, Westerly, fresh, over the Channel and France, and North-Westerly to Westerly, strong, over the Bay of Biscay, but South-Easterly and freshening over the south coast of Ireland. A separate circulation over the Mediterranean. Blowing hard from South-West and West over the English Channel later, but veering to North-West at our western stations.

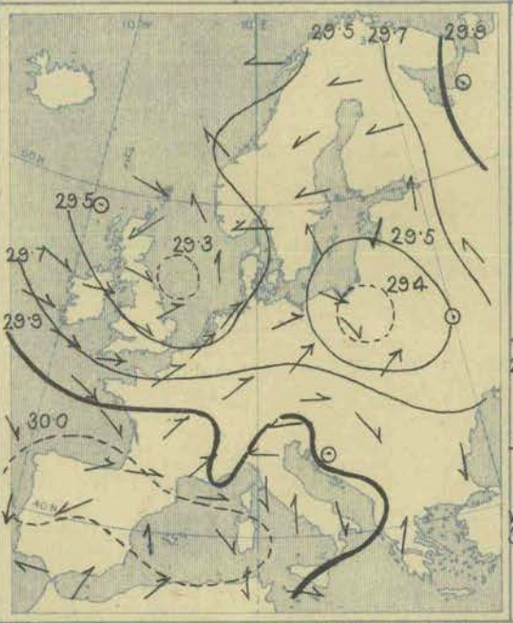
Barometer highest, (1) 30·02 ins. to 29·9 ins. over Lapland and the north of Russia; (2) 30·1 ins. to 29·9 ins. over the Iberian Peninsula and south-west of France. Lowest, about 29·3 ins. in a depression over the North Sea, and below 29·4 ins. in another approaching the south-west of Ireland from the westward. Latter system moving east-north-eastwards during the day, reaching St. George's Channel by 6 p.m.

Tuesday, 6th August.

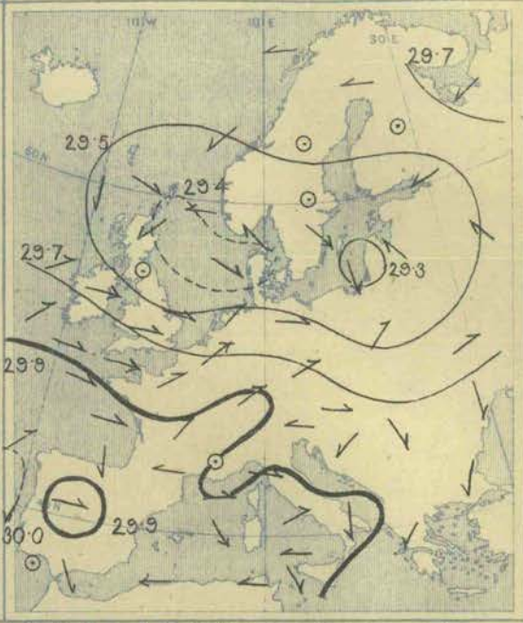
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the south of Spain, the Mediterranean, south-eastern Europe, and central Russia, very changeable over the north-western countries, though temporarily fine in some few localities. Rain later in almost all parts of north-western Europe, exceedingly heavy (3·5 ins.) at Cuxhaven and heavy at some other stations, but varying much locally; thunderstorms in many places.

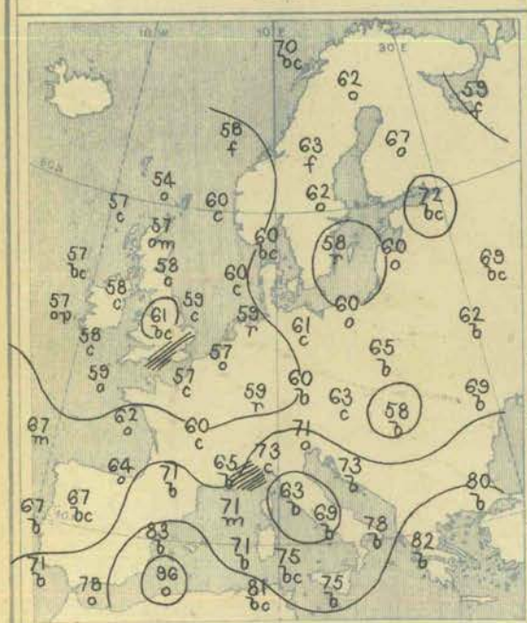
Temperature in morning highest, (1) 85° to 80° over south-eastern Europe, and exceeding 70° at the stations on the western and southern shores of the Mediterranean and over southern and central Russia; exceeding 60° over central Europe; (2) 68° at Bodö, 65° at Kuopio, 63° at Uleaborg, 60° at Archangel. Lowest, 53° at Wick, 55° at Shields, Holyhead, and Loughborough. Not exceeding 66° at any of our stations later, and falling to between 50° and 53° over the inland parts of England at night.

Wind (1) light North-Easterly in Scotland, fresh, North-Westerly, in Ireland, very strong, Westerly, in the English Channel, moderate, Westerly, over Germany, Southerly on the eastern shores of the North Sea, but North-Easterly over the Baltic Provinces; (2) light and variable over southern Europe. Moderating from Westward over Ireland and England later, but blowing a fresh gale in the Straits of Dover all day.

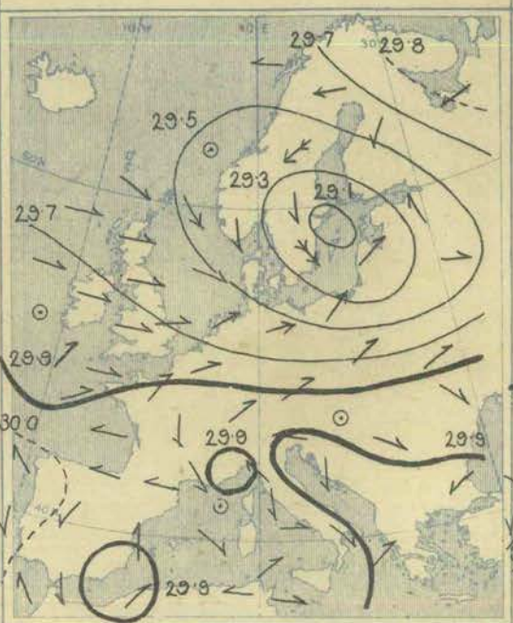
Barometer highest, 30·0 ins. and more to 29·9 ins. over the Iberian Peninsula and Mediterranean, and 29·9 ins. and more to 29·6 ins. over the north of Russia and Finland. Lowest, about 29·3 ins. to 29·4 ins. in a complex depression over the North Sea and in another over north Germany. Former disturbance moving north-eastwards later, and barometer rising unsteadily over the United Kingdom.

Wednesday, 7th August.

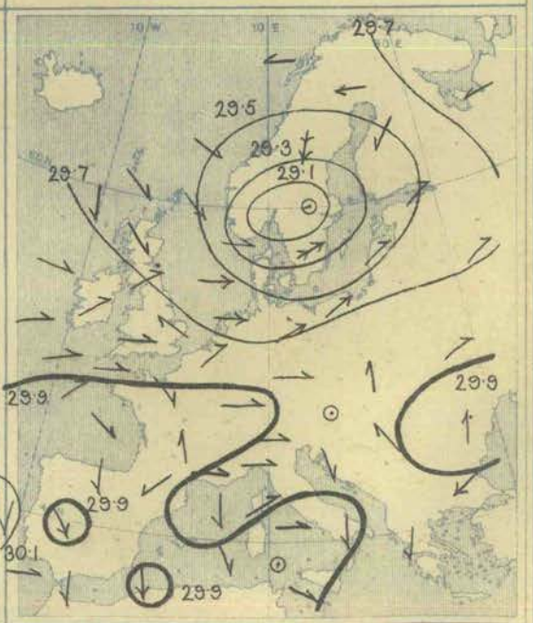
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over Spain, the Mediterranean, and south-eastern Europe, as well as over Russia; fair over central Europe and the greater part of the British Isles, very dull and unsettled over Scandinavia, Finland, and the Baltic Provinces, and also in the south-west of Ireland. Very rough and rainy over Scandinavia later, and showery more or less over France and the south of our Islands, with thunderstorms over our south-eastern and eastern counties.

Temperature in morning highest, (1) 96° at Algiers, 83° at Palma, 82° at the Greek stations, 80° at Constantinople, exceeding 70° on all the Mediterranean coasts, and exceeding 60° over central Europe: (2) 72° at St. Petersburg, 70° at Bodö, 69° at Moscow. Lowest, 54° at Sumburgh Head, 56° at Parsonstown, and below 60° over nearly the whole of the British Islands and France. Failing to reach 70° at any of the British or Irish stations later, but reaching 71° at Paris and 81° at Nice.

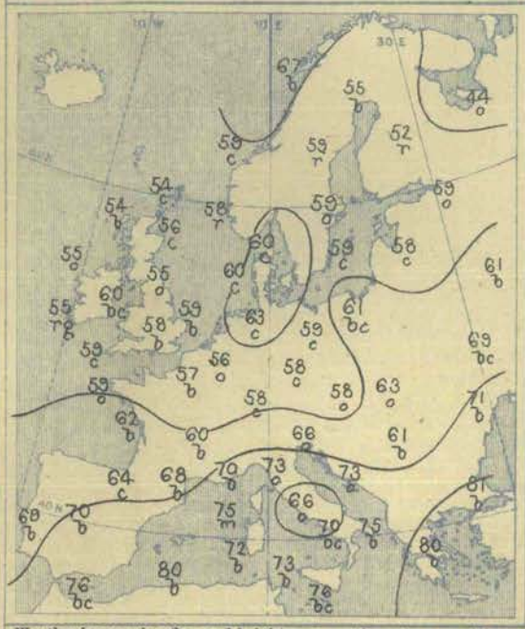
Wind Easterly, strong, over the north of Russia, North-Easterly, a gale, over the north of Sweden, North-Westerly, a gale, at Wisby, Westerly, strong, over the Baltic Provinces; (2) very variable from the Westward over the United Kingdom, light and extremely variable over all the southern countries of Europe. Increasing in force from the Northward and North-Westward later, little change in our Islands.

Barometer highest, 30·0 ins. and more to 29·9 over most of the southern countries, and exceeding 29·8 ins. over the White Sea and Kola Peninsula. Lowest, 29·1 ins. and less in a well-marked depression having its centre over the Baltic near to the Island of Dagö. The depression moving westwards later, and barometer falling over Sweden and Norway; very little change over the United Kingdom, but a steady fall in progress over the Azores.

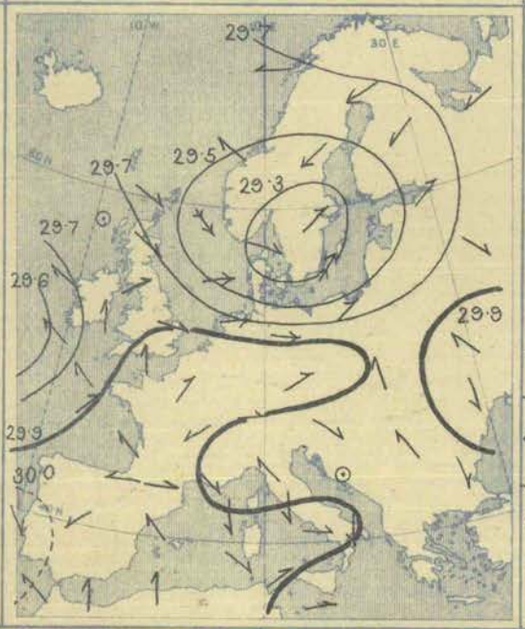
Wyman & Sons, Lith 63 Carter Lane

Thursday, 8th August.

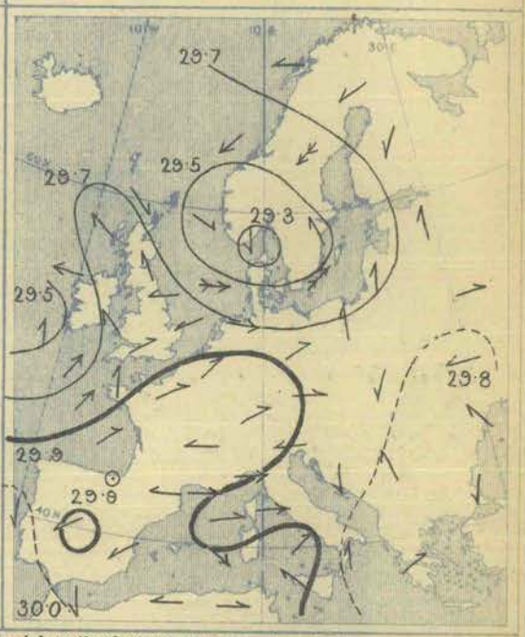
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-western, southern, and eastern Europe, as well as over Great Britain and Lapland; cloudy and very unsettled over the Baltic, Sweden, and Norway, and also in the south of Ireland, with rain in places. Considerable falls of rain later over Ireland, England, and the north of France, also over Denmark and the Shetlands; largest falls being 0·95 ins. at Fanö and 0·65 ins. at Roche's Point.

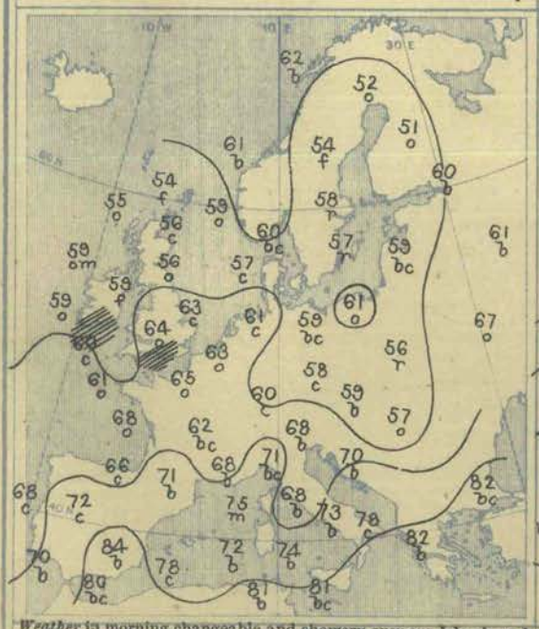
Temperature fallen over England at first, but recovering later. Morning readings highest, (1) 80° or slightly more at Algiers, Athens, and Constantinople, and exceeding 70° over the Mediterranean and Black Sea coasts as a whole, 69° at Kiev, 64° at Kharkov; (2) 67° at Bodö, 62° at Helsingfors. Lowest, (1) 44° at Archangel, 52° at Kuopio; (2) 54° at Sumburgh Head and Stornoway, 55° at Belmullet, 56° at York, Brussels, and Wiesbaden, 58° at Vienna. Rising later to between 70° and 73° over England and to 81° in the south-west of France.

Wind (1) light and very variable (mainly anticyclonic) over the inland parts of western, central, and eastern Europe; (2) strong to a gale and cyclonic over northern Europe, the Baltic, and eastern shores of the North Sea; (3) Southerly to Easterly, moderate, but increasing on our western coasts; (4) light and variable from between South and West over England. Increasing to a moderate gale from South-East or South on our south-western coasts, and freshening from South and South-West subsequently in the Channel.

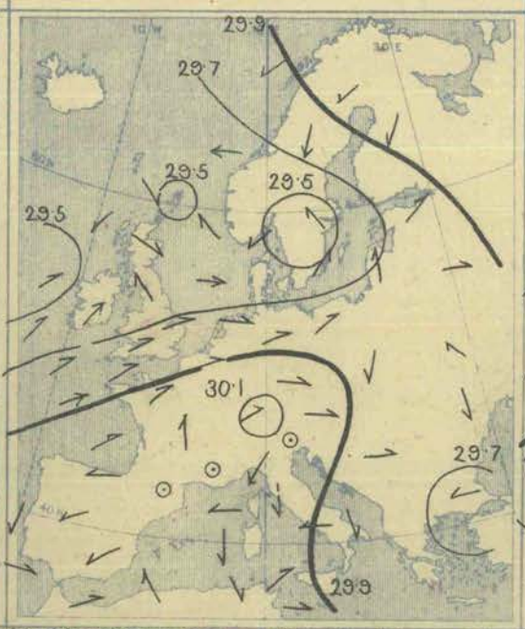
Barometer highest, 30·0 ins. and more to 29·8 ins. over south-western Europe and also in a "ridge" over England; (2) 29·7 ins. and more over Lapland, the Kola Peninsula, and the White Sea. Lowest, below 29·2 ins. in a well-marked depression having its central area over the south of Sweden and moving westwards, and below 29·6 ins. in another approaching our south-western coasts. Latter system moving north-eastwards and northwards later, former partially filling up.

Friday, 9th August.

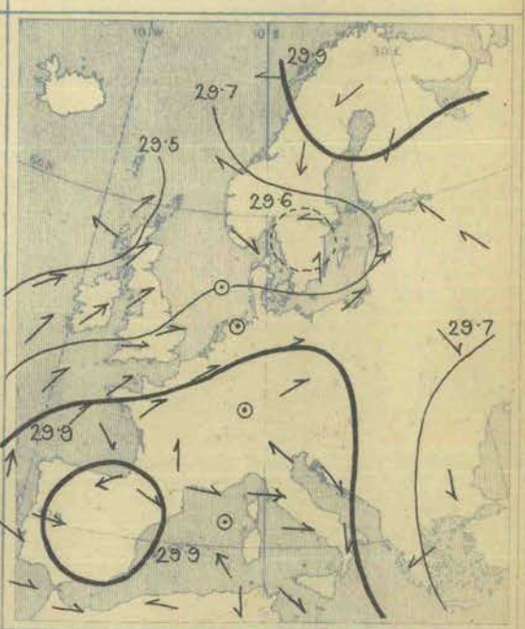
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning changeable and showery over our Islands and the neighbouring parts of the Continent. Fine over southern Europe generally, as well as over central Russia and the west of Norway; dull over Galicia and the south of Russia, with rain at Lemberg, rainy also at many of the Baltic stations. Showers falling during day in nearly all parts of the United Kingdom and over north-western Europe; thunder occurring at Ardrossan, and thunder and lightning in south-west of France in morning and at Dungeness in evening.

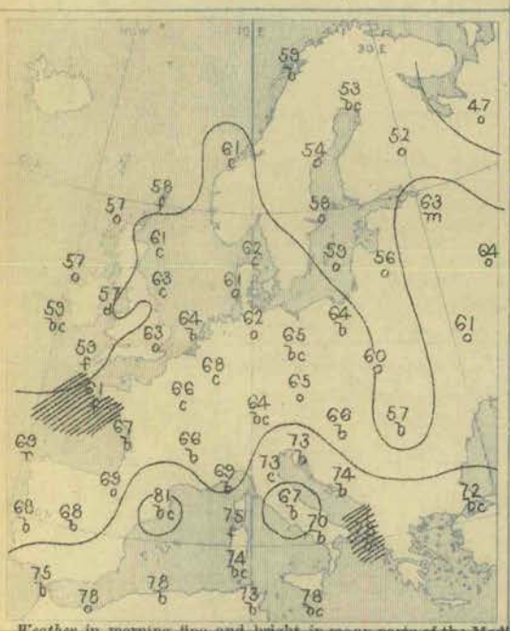
Temperature risen over England, Ireland, and France, changed irregularly elsewhere. Morning readings highest, 82° at Athens and Constantinople, and 81° at Malta and Sfax; above 70° in many parts of southern and south-eastern Europe. Lowest, (1) 51° at Uleaborg and Kuopio, 52° at Haparanda, and 54° at Hernösand; (2) 54° at Sumburgh Head and Nairn, and 55° at Stornoway, Ardrossan, and Malin Head. Rising during day to between 70° and 73° at most of the English stations, exceeding 75° in many parts of France, reaching 86° at Rome and Brindisi, 88° at Biarritz, 91° at Cape Béarn.

Wind moderate to strong from the South-Westward over all the more southern parts of our Islands, as well as in the Netherlands and the north of France; South-Easterly in the north of Ireland. Light from the Northward or North-Westward in Scotland; Westerly in Denmark. South-Westerly or Southerly over the Baltic; Easterly or North-Easterly over the greater part of Scandinavia. Calm in the south of France; Northerly in Italy; North-Easterly in Spain. Variable over Austria and the south of Russia. Subsequently shifting to the Southward or South-Eastward in Scotland; no important change occurring elsewhere.

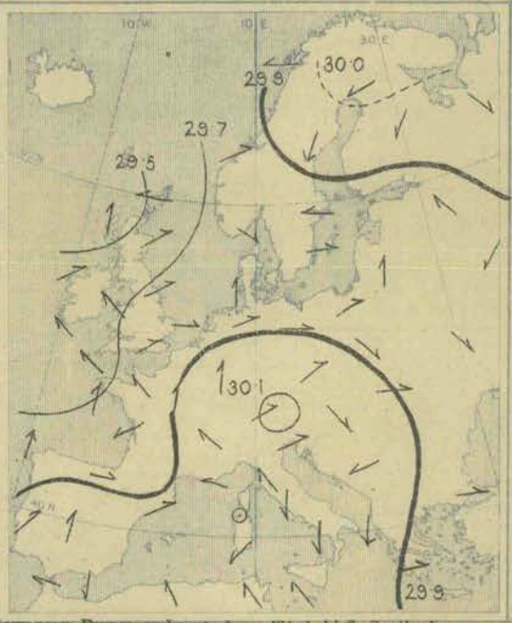
Barometer highest, 30·0 ins. and upwards in an anticyclone extending from Spain and the western parts of the Mediterranean over the greater part of France and south Germany; 29·9 ins. and upwards over Lapland and the north of Russia. Lowest, 29·5 ins. and less in three depressions, one lying off the north-west of Ireland, another near the Shetlands, and the third (a well-defined system) over the south of Sweden. Two former disturbances subsequently moving out to the westward; Swedish depression filling up gradually.

Saturday, 10th August.

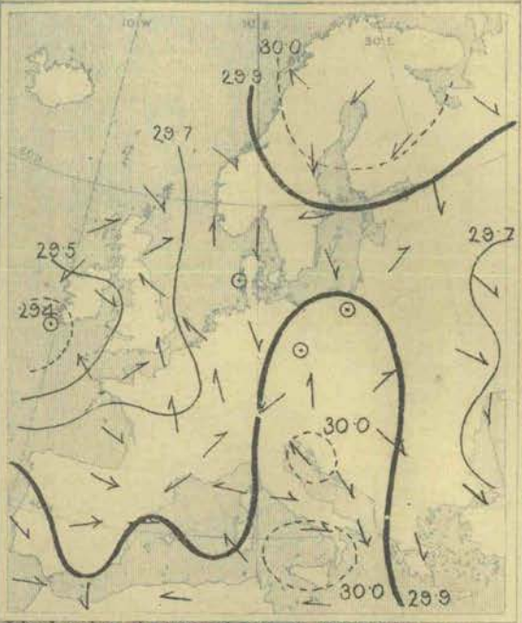
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many parts of the Mediterranean, France, and central Europe, as well as over the eastern counties of England and in Lapland; cloudy and very unsettled looking elsewhere, with showers in the south-west of England, and thick weather at the mouth of the Channel, thunder and showers at Dungeness. Very severe thunderstorms over various parts of our Islands later, very generally in the south and east, as well as in some parts of France. Rain very heavy (1·57 ins.) at Valencia and (2·68 ins.) at Holyhead; 0·8 in. at Brussels and Ardrossan, 0·7 in. at Belmullet; 1·0 in. at Lynsted (Kent), 0·6 in. in London.

Temperature changing little and irregularly in most places, but rising decidedly over central Europe. Morning readings highest, 80° or rather more at Barcelona and at the Greek stations, 70° and more at all the more southern of the Mediterranean stations, 73° at Trieste; 60° and more over the greater part of Europe and many parts of England. Air very close over England. Rising later to between 70° and 75° over the major part of Great Britain, and touching 81° at Wiesbaden, 84° at Paris and Belfort, 81° at Nice.

Wind chiefly Southerly over our Islands and on the coast of Portugal, very variable over the Continent, West-South-Westerly over Germany, but Easterly and North-Easterly over Finland and Scandinavia; light and anticyclonic over the southern countries. Backing to South-East over our Islands later, while it was South-Westerly over Brittany and the Channel Islands, and subsequently shifting to the South-Westward over our southern counties and freshening.

Barometer highest, (1) 30·1 ins. and more to 29·9 ins. over central and southern Europe; (2) 30·0 ins. and more to 29·9 ins. over Lapland and the northern parts of Finland and Scandinavia. Lowest, (1) 29·6 ins. and less off our south-western coasts; (2) 29·7 ins. and less over the south-east of Russia, shallow secondary disturbances over the south of Sweden and the south-west of France also. New and well-marked depression advancing over Ireland from the south-west later, and a secondary system over our southern and eastern counties. Barometric changes very sudden and frequent.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of this week pressure has been high in two widely separated areas, one over northern or north-eastern Europe, the other over Spain and neighbouring parts of the Atlantic. In the meantime, there has been a constant succession of depression advancing to our shores from the south-westward or westward, and moving north-eastwards or eastwards across the North Sea to the Baltic.

In addition to these, there was one depression which showed itself first over Poland on Monday, and, moving northwards, reached the Baltic Provinces on Tuesday evening; it then grew deeper and travelled north-westwards—was over the south of Sweden at top on Wednesday and the Skager Rack on Thursday, after which it grew shallower, recurved, and, reaching the south of Norway again by Friday evening, filled up completely.

The weather over the north-western and central countries has, therefore, been very rainy, thundery, and unsettled, with decreasing temperature, owing to the conflict between the Easterly current over the northern countries and the Westerly in the south.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 188.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	25·1	?	23	?	EASTBOURNE	39·3	?	38	?
OSWALDKIRK (Yorkshire)	32·5	?	30	?	MANCHESTER (Oldham Road)	37·0*	?	35*	?
WORKSOP	38·2	+3·5	36	+3	TENBY	34·6*	?	33*	?
THURCASTON (Leicestershire)	33·4	−3·1	32	−3	NEWQUAY	35·5	?	34	?
MARGATE	37·3	?	36	?	TORQUAY	24·6*	?	24*	?
WESTBOURNE (Sussex)	33·6*	?	32*	?	ARLEY COTTAGE (County Cavan)	25·8	?	24	?
BRIGHTON	45·6	?	44	?	GUERNSEY	40·4*	?	39*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 33.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 17TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 194.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	75	44	63·7	52·9	58·0	3 above	112	+31	0	0	1365	+170	811	+232
	1. SCOTLAND, EAST	78	36	66·2	51·2	58·3	2 above	114	+11	0	0	1544	− 21	988	+415
	2. ENGLAND, N.E.	78	46	68·2	53·8	60·6	2 above	130	+21	0	0	1715	+ 73	783	+277
	3. ENGLAND, EAST	77	46	68·7	53·6	60·7	0 (average)	131	+ 9	0	0	1954	+ 23	854	+283
	4. MIDLAND COUNTIES	79	38	69·3	52·3	61·3	1 above	128	+12	0	0	1934	+ 45	934	+373
	5. ENGLAND, SOUTH	78	47	68·6	54·8	61·3	0 (average)	135	+ 5	0	0	2053	− 21	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	73	45	64·6	53·4	58·7	2 above	117	+17	0	0	1656	+ 41	778	+334
	7. ENGLAND, N.W.	77	50	66·8	54·5	60·3	1 above	128	+17	0	0	1787*	+ 54	725	+303
	8. ENGLAND, S.W.	78	45	66·1	53·5	59·4	0 (average)	122	+ 4	0	0	1926	+ 6	654	+337
	9. IRELAND, NORTH	71	47	64·8	53·3	58·7	2 above	117	+13	0	0	1718	− 10	635	+268
	10. IRELAND, SOUTH	74	48	65·3	53·9	59·3	1 above	121	+ 9	0	0	1883	− 70	479	+195
	—CHANNEL ISLANDS	76	53	67·5	57·2	62·0	0 (average)	140	+ 8	0	0	2151	+ 17	360	+248

Rainfall.

	DISTRICTS (See p. 194.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10	1 more	141	− 9	25·4	− 3·9
	1. SCOTLAND EAST	5	10	3 more	117	− 6	17·5	− 1·2
	2. ENGLAND, N.E.	4	4	2 less	120	+ 8	18·1	+ 2·6
	3. ENGLAND, EAST	3	12	7 more	105	− 4	15·4	+ 0·1
	4. MIDLAND COUNTIES	4	6	1 less	98	−11	14·9	− 2·2
	5. ENGLAND, SOUTH	3	6	1 more	94	−11	13·6	− 2·3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	13	3 more	122	− 8	19·7	−10·4
	7. ENGLAND, N.W.	4	5	2 less	107*	−11	17·7*	− 1·9
	8. ENGLAND, S.W.	3	6	2 less	100	−21	19·1	− 3·7
	9. IRELAND, NORTH	6	11	3 more	135	− 5	19·7	− 1·5
	10. IRELAND, SOUTH	5	4	4 less	113	−15	21·4	− 1·9
	—CHANNEL ISLANDS	3	3	2 less	114	−14	15·9	− 2·5

Bright Sunshine.

	DISTRICTS (See p. 194.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	17	− 3	16	− 4	898	+ 7	30	+ 1
	1. SCOTLAND EAST	24	− 3	23	− 4	968	+ 71	35	+ 2
	2. ENGLAND, N.E.	23	− 8	23	− 8	1000	+ 94	33	+ 3
	3. ENGLAND, EAST	40	− 1	39	− 2	1168	+ 84	39	+ 3
	4. MIDLAND COUNTIES	37	− 1	35	− 1	1101	+130	36	+ 4
	5. ENGLAND, SOUTH	56	+13	55	+12	1220	+ 84	39	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	26	− 8	26	− 7	1018	+ 35	33	+ 1
	7. ENGLAND, N.W.	29	− 2	28	− 2	980*	+124	36	+ 4
	8. ENGLAND, S.W.	58	+13	57	+12	1336	+171	43	+ 5
	9. IRELAND, NORTH	18	− 8	18	− 7	958	+ 70	32	+ 3
	10. IRELAND, SOUTH	24	−11	24	−11	1037	− 10	34	0
	—CHANNEL ISLANDS	69	+17	69	+17	1447	+140	49	+ 4

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued unsettled and rainy in all parts of the Kingdom during the earlier half of the period, with occasional thunderstorms over England. Towards the middle of the week, however, a gradual improvement set in, and, at its close, the weather was fine and bright in nearly all places.

Temperature was slightly above the mean in most districts, but only just equalled it in England E., S., and S.W., as well as in the Channel Islands. During the greater part of the week the daily maxima were considerably below the normal for the time of year, but, on the 17th, the thermometer rose to between 77° and 79° over England, 73° and 78° in Scotland, and 71° and 74° in Ireland. The lowest of the minima were recorded about the middle of the week, and ranged from 36° in Scotland E. and 38° in the Midland Counties, to 50° in England N.W., and 53° in the Channel Islands.

Rainfall varied a good deal in different parts of the Kingdom, the amounts exceeding the mean in Scotland, the east and south of England, and the north of Ireland, and being somewhat below it in the other districts.

Bright Sunshine was deficient over the Kingdom as a whole, but exceeded the mean in England S. and S.W. and in the Channel Islands. The percentage of the possible duration ranged from 69 in the Channel Islands and 57 in England S.W., to between 18 and 24 in Ireland, and to between 16 and 26 in Scotland.

Barometer and Wind.—Depressions continued to reach our coasts from the westward and south-westward during the earlier part of the week, causing South-Westerly winds and frequent rain in all parts of our Islands, but, later on, an anticyclone became gradually established over us, causing light Southerly airs and fine bright weather to become general.

607 1|90 W. & S. Ltd.
213 70 8|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 193 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	67	49	61·7	53·0	57·1	+ 4·2	106	0	4	0·30	−0·40	*	*	*	*
	Stornoway	70	46	63·6	52·1	57·5	+ 3·3	109	0	4	1·18	+0·36	23·5	− 3·7	22	− 4
	Wick	73	46	63·3	52·9	57·8	+ 3·2	111	0	4	0·80	+0·22	*	*	*	*
	Glencarron ℌ	73	47	64·5	51·4	57·6	+ 3·3	109	0	4	0·94	−0·56	*	*	*	*
	Fort Augustus ℌ	75	44	65·4	?53·4	?59·0	?+ 3·0	? 119	0	? 5	0·86	+0·18	13·8	?	13	?
	Fort William ℌ	70	51	63·6	54·3	58·7	+ 2·4	117	0	5	1·97	+0·67	14·6	?	14	?
1. SCOTLAND, E.	Nairn	78	42	67·6	49·0	57·7	+ 1·0	110	0	7	1·25	+0·63	*	*	*	*
	Aberdeen	76	44	64·7	52·9	58·5	+ 2·0	116	0	4	0·88	+0·19	31·8	− 3·2	30	− 4
	Braemar ℌ	70	36	62·4	47·5	54·5	+ 0·9	88	0	6	0·79	−0·04	17·8†	†	17†	†
	Ochtertyre ℌ	74	44	66·7	51·7	58·8	+ 2·3	118	0	6	1·74	+0·94	*	*	*	*
	Leith	74	47	68·3	53·1	60·2	+ 1·9	127	0	4	0·68	+0·10	*	*	*	*
	Marchmont ℌ	77	47	67·7	53·0	59·9	+ 3·8	125	0	4	0·91	+0·12	29·8	?	28	?
2. ENGLAND, N.E.	Alnwick Castle	71	46	66·1	53·0	59·2	+ 2·5	120	0	4	0·76	+0·06	*	*	*	*
	Durham	78	47	68·8	53·1	60·5	+ 2·4	130	0	4	0·38	−0·24	25·3	− 9·2	24	− 9
	Shields	78	51	68·1	54·0	60·6	+ 2·9	130	0	3	0·17	−0·49	*	*	*	*
	Scarborough ℳ	76	48	69·4	53·3	60·9	+ 2·4	132	0	3	0·10	−0·50	*	*	*	*
	York	77	48	69·6	54·0	61·3	+ 2·1	135	0	5	0·27	−0·31	26·5	− 6·8	26	− 7
	Spurn Head	73	53	67·4	55·6	61·2	+ 1·5	134	0	2	0·45	+0·03	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	77	46	69·9	52·9	60·9	+ 0·7	132	0	3	0·58	−0·04	36·0	− 3·2	35	− 4
	Yarmouth	71	50	66·1	55·3	60·4	− 0·1	129	0	3	1·85	+1·34	*	*	*	*
	Geldeston	74	46	69·3	51·9	60·1	− 0·1	127	0	2	0·84	+0·42	46·2	+ 3·0	45	+ 2
	Cambridge	77	50	72·0	53·9	61·5	+ 0·4	137	0	3	1·42	+0·92	37·2	− 2·7	36	− 4
	Rothamsted	73	50	68·4	53·9	60·7	+ 0·8	131	0	4	1·34	+0·79	38·6	?	38	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	79	49	71·3	51·9	61·0	+ 1·7	133	0	4	0·16	−0·38	*	*	*	*
	Loughborough	79	50	71·0	54·4	62·2	+ 1·7	141	0	3	0·50	−0·07	*	*	*	*
	Stamford (Ketton Hall)	77	47	70·6	52·9	61·2	+ 0·8	134	0	3	0·08	−0·40	*	*	*	*
	Cheadle ℳ	75	49	66·1	52·1	58·7	+ 1·3	117	0	5	0·64	−0·16	*	*	*	*
	Solihull	75	49	68·5	53·0	60·3	+ 1·0	128	0	5	0·62	?	*	*	*	*
	Churchstoke ℳ	76	49	68·2	51·9	59·5	+ 1·8	123	0	3	0·52	−0·09	44·7	+ 7·1	44	+ 7
	Hereford ℳ	79	47	70·6	52·0	60·7	+ 0·7	131	0	3	0·70	+0·15	*	*	*	*
	Cirencester	74	38	68·1	48·6	57·8	− 0·8	111	0	3	0·74	+0·04	49·0	+ 8·4	48	+ 8
	Oxford	74	51	69·1	54·1	61·1	+ 0·5	134	0	3	0·96	+0·44	39·7	− 1·5	39	− 2
5. ENGLAND, S.	London	78	50	71·0	53·6	61·8	− 0·3	139	0	4	0·93	+0·43	44·6†	+ 7·6†	44†	+ 7†
	North Foreland	69	52	66·3	55·4	60·5	0·0	130	0	2	0·46	?	*	*	*	*
	Strathfield Turgiss ℳ	75	47	71·3	51·7	60·9	− 0·5	132	0	4	0·75	+0·25	*	*	*	*
	Dungeness	70	51	67·3	56·9	61·8	− 0·3	139	0	3	0·22	−0·25	*	*	*	*
	Hastings (St. Leonards)	69	55	66·3	56·8	61·3	− 0·8	135	0	3	0·27	−0·27	56·6	+10·8	56	+10
	Southampton	77	53	71·8	55·5	63·2	+ 1·5	148	0	3	0·51	−0·09	65·8	+20·0	65	+19
	Hurst Castle	72	54	67·9	57·1	62·2	+ 0·4	141	0	3	0·64	+0·14	*	*	*	*
	Stowell ℳ	73	50	66·6	51·7	58·7	− 0·7	117	0	3	0·17	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	49	63·0	54·0	58·2	+ 1·5	113	0	7	1·04	−0·14	*	*	*	*
	Glasgow	73	49	65·6	53·9	59·4	+ 2·9	122	0	6	2·01	+1·16	17·6	−11·6	17	−11
	Ardrossan	72	49	65·4	54·3	59·5	+ 1·5	123	0	5	1·30	+0·45	*	*	*	*
	Glenlee ℌ	72	45	65·4	51·6	58·1	+ 2·0	113	0	6	1·11	+0·10	*	*	*	*
	Douglas (Isle of Man)	70	50	63·7	53·1	58·1	+ 1·2	113	0	3	0·82	+0·01	34·7	− 3·8	34	− 4
7. ENGLAND, N.W.	Stonyhurst	74	51	65·8	54·5	59·8	+ 1·5	125	0	4	0·86	−0·22	28·3	− 5·5	27	− 6
	Blackpool ℳ	77	51	68·5	55·1	61·4	+ 2·0	136	0	4	0·57	−0·14	36·7	+ 0·8	36	+ 1
	Manchester (Prestwich)	76	50	67·3	53·1	59·8	+ 1·4	125	0	4	0·88	+0·07	25·7	?	25	?
	Liverpool Obsy. (Bidston)	75	50	66·9	53·4	59·8	+ 1·1	125	0	4	0·48	−0·18	*	*	*	*
	Llandudno ℳ	75	55	67·5	56·2	61·5	+ 1·5	137	0	2	0·13	−0·47	33·1	− 2·2	32	− 3
	Holyhead	73	53	64·7	54·9	59·5	+ 0·3	123	0	4	0·34	−0·30	*	*	*	*
8. ENGLAND, S.W.	Llandovery	78	50	70·3	51·7	60·4	+ 1·2	129	0	5	1·42	+0·38	*	*	*	*
	Pembroke	68	54	62·3	56·1	59·0	− 0·2	119	0	2	0·52	−0·11	46·0	+ 0·5	45	0
	Bristol (Montpelier)	77	53	70·3	54·8	62·1	+ 2·0	141	0	4	0·61	−0·15	*	*	*	*
	Arlington (N. Devon)	74	50	65·4	52·0	58·3	+ 0·1	114	0	3	0·46	−0·66	*	*	*	*
	Cullompton ℳ	72	45	68·0	50·3	58·6	− 0·6	116	0	3	0·66	+0·04	54·0	+12·5	53	+12
	Falmouth	67	53	64·5	54·8	59·1	− 0·7	122	0	2	0·10	−0·71	65·9	+19·3	65	+18
	Plymouth	71	50	65·5	53·7	59·3	− 2·2	121	0	2	0·47	−0·17	62·0	+18·0	61	+17
	Prawle Point	65	51	62·6	54·3	58·2	− 1·3	113	0	1	0·56	+0·07	*	*	*	*
9. IRELAND, N.	Malin Head	68	54	63·9	55·7	59·6	+ 2·1	123	0	5	0·36	?	*	*	*	*
	Londonderry	71	52	67·2	54·3	60·4	+ 2·7	129	0	7	0·79	−0·08	*	*	*	*
	Edenfel (Omagh)	70	50	65·1	52·3	58·3	+ 1·7	114	0	6	1·36	+0·56	*	*	*	*
	Belmullet	68	53	62·6	54·9	58·5	− 0·4	116	0	5	0·60	?	*	*	*	*
	Markree Castle	71	49	66·3	53·1	59·3	+ 2·7	121	0	6	1·02	+0·22	18·1	−10·8	18	−10
	Brookeborough	70	48	65·8	53·5	59·3	+ 2·8	121	0	6	1·89	+1·09	*	*	*	*
	Armagh	68	51	65·3	53·8	59·2	+ 1·8	120	0	6	0·85	+0·19	21·3	− 5·5	21	− 5
	Donaghadee	69	50	63·3	52·7	57·7	+ 0·8	110	0	6	0·45	−0·26	*	*	*	*
	Edgeworthstown	69	47	64·1	49·6	56·4	− 0·7	101	0	6	1·94	+1·14	*	*	*	*
10. IRELAND, S.	Dublin	71	51	66·3	55·0	60·3	+ 0·9	128	0	7	0·59	−0·03	29·4	− 7·0	29	− 7
	Parsonstown	72	50	66·4	52·4	59·0	+ 0·8	119	0	4	0·63	−0·13	21·9	−10·9	21	−11
	Kilkenny	68	48	65·1	52·9	58·6	+ 0·2	116	0	5	0·53	−0·21	*	*	*	*
	Roche's Point	65	50	63·0	53·7	58·1	− 1·6	113	0	3	0·07	−0·74	*	*	*	*
	Valencia	70	52	64·1	55·7	59·7	+ 0·6	124	0	6	0·43	−0·62	21·1	−15·2	21	−15
	Killarney	73	50	66·9	53·3	59·7	+ 1·1	124	0	3	0·32	?	*	*	*	*
	Foynes	74	51	65·5	54·6	59·7	+ 1·6	124	0	4	0·60	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	68	55	65·9	56·6	61·0	+ 0·3	133	0	2	0·22	−0·33	65·4	?	65	?
	Jersey	76	53	69·0	57·7	63·0	+ 0·3	147	0	3	0·37	−0·13	71·7	+16·8	72	+17

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College Westminster. For additional Reports o Sunshine see last page.

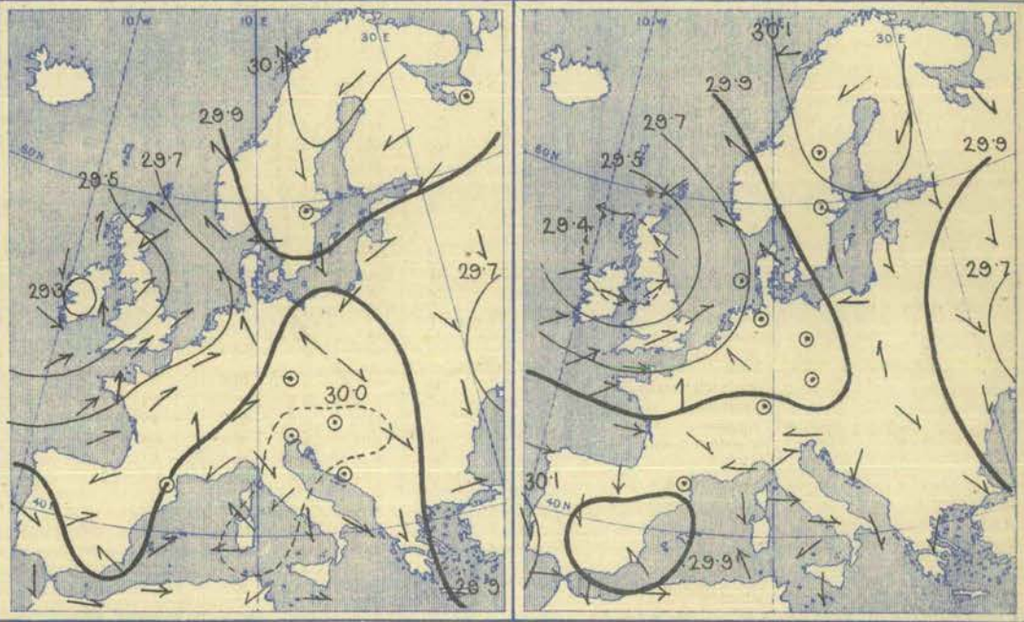
Sunday, 11th August.

Temperature and Weather. 8 a.m.

Weather in morning fine and bright (1) over northern Europe, (2) over Spain, the Mediterranean, the Adriatic, south Germany, and the Balkan Peninsula; very unsettled over the British Islands and their neighbourhood, with heavy rain at our western and northern stations, showers in the south, very considerable rain in Scotland later, smaller quantities in other parts of our Islands, but considerable quantities over France and Germany and many other parts of the Continent (1·1 ins. at Munich); thunderstorms over central Europe and at Ardrossan.

Temperature in morning highest, 80° or more at several stations on the western, southern, and eastern shores of the Mediterranean, and exceeding 60° over the central and the greater part of the western countries, 64° to 60° on the coast of Norway. Lowest, 47° at Archangel, 53° at Kuopio; 55° at Aberdeen and Parsonstown. Rising later to 70° or 71° in many parts of England, to 75° at Paris, 79° at Munich, 86° at Lyons, 90° at Palermo, and 91° at Oran.

Barometer and Wind. 8 a.m. and 6 p.m.

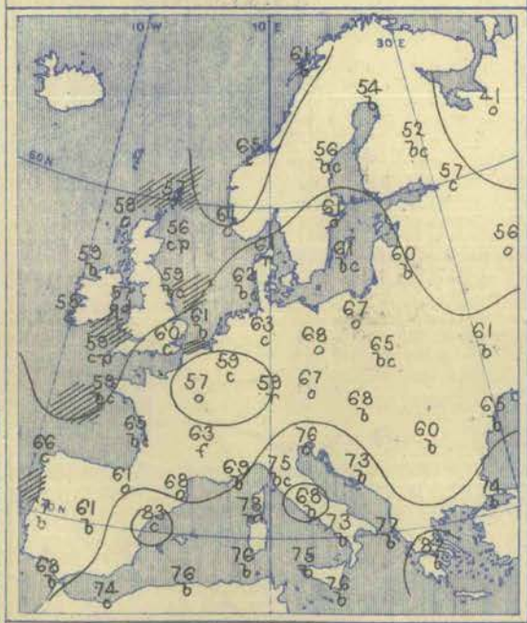


Wind (1) North-Easterly to South-Easterly, light, over northern Europe, Easterly over Scotland; (2) North-Westerly to Westerly, strong, over our south-western districts, Southerly, strong to moderate, over England, South-Easterly over Denmark; light and variable over central and southern Europe, Northerly over Russia. Veering Westward and blowing strongly over England later, but backing to West and South-West in Ireland and falling light; falling calm over central Europe.

Barometer highest, (1) 30·0 ins. and more to 29·9 ins. in an anticyclone of very irregular form covering the Spanish Peninsula, the Mediterranean, central Europe, and the Balkan Peninsula; (2) 30·1 ins. to 29·9 ins. in another over northern Europe. Lowest, below 29·6 ins. in a depression over the south of Russia, and below 29·3 ins. in another over Ireland. Gradients not steep anywhere. Latter disturbance moving north-eastwards later, the former undergoing no appreciable change.

Monday, 12th August.

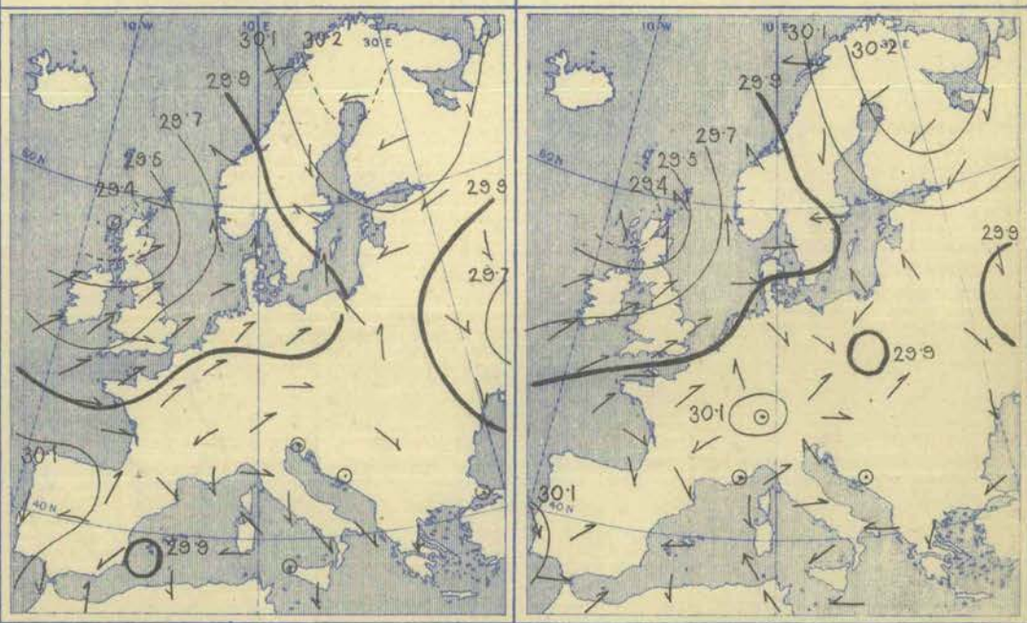
Temperature and Weather. 8 a.m.



Weather in morning fine and bright (1) over Finland and the north of Scandinavia, (2) the Mediterranean, south-western, south-eastern, and central Europe, as well as the east of England; cloudy and unsettled elsewhere, with rain at many of our western and northern stations. Heavy rain later over the south of Sweden (1·1 ins. at Karlstad), and considerable fall over the south of England (0·56 in. at Prawle Point). Showers in all other parts of our Islands and over the greater part of France, Denmark, Germany, and Sweden, fall heavy at Vienna. Some thunder at Cambridge and over central Europe.

Temperature still exceeding 80° on the east coast of Spain and at Patras, and exceeding 70° at most of the Mediterranean stations, and at Tunis and Trieste; exceeding 60° over central Europe. Lowest, (1) 41° at Archangel, 51° at Uleaborg, 56° at Moscow; (2) 56° at Wick and Aberdeen, 57° at Malin Head and Holyhead. Rising to between 65° and 71° over the inland parts of England later, to 78° at Paris, 77° at Berlin, 81° at Nice, and 86° at Perpignan, 88° at Palermo, 91° at Oran, and 104° at Laghouat.

Barometer and Wind. 8 a.m. and 6 p.m.



Wind Easterly and South-Easterly, light to moderate, over northern Europe, and very variable and light over the southern countries, but Westerly to South-Westerly, moderate, over Ireland and England, South-Westerly to South-Easterly in Scotland, calm at Stornoway; Westerly to Northerly in Portugal. Backing to South-South-West in the west of Ireland later, and to South-East and South in the south of England.

Barometer highest, (1) 30·2 ins. and more to 30·0 ins. over Lapland and northern Europe as a whole; (2) 30·1 ins. and more to 30·0 ins. over the Iberian Peninsula and central France. Lowest, below 29·4 ins. in a depression lying over the north-west of Scotland, the Hebrides, and neighbouring parts of the Atlantic, and below 29·6 ins. over the south-east of Russia. Little change over north-western Europe, as a whole, later, but a local depression forming over our southern counties at night.

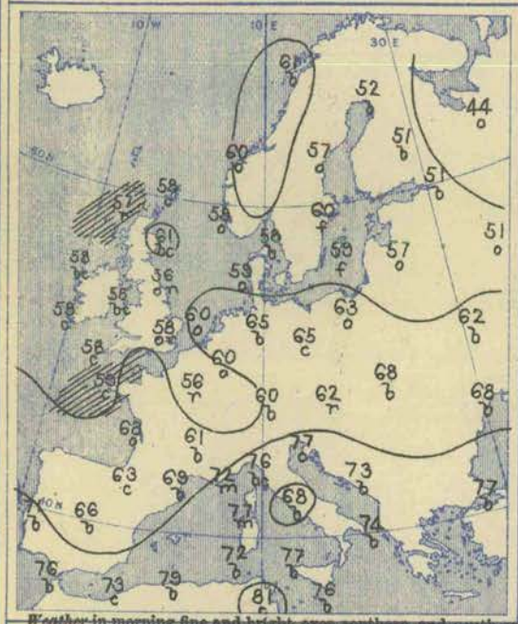
Wyman & Sons, Ltd., Lith.

III.—SUMMARY OF WEATHER OVER EUROPE.

Tuesday, 13th August.

Temperature and Weather.

8 a.m.

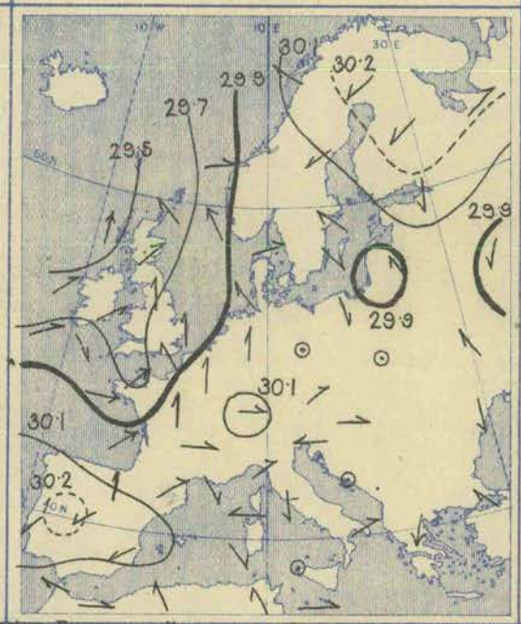


Weather in morning fine and bright over southern and south-eastern Europe, as well as over Finland, Lapland, and some parts of Ireland and Scotland; dull and very rainy over England and the north of France and in some parts of Germany. Very heavy rains later over the eastern parts of England, many parts of France, and at the Helder, accompanied by thunderstorms in places, and considerable quantities over Germany (especially at Memel) and the south of Sweden; passing showers in the north and west of our Islands. Thunderstorm in south Germany.

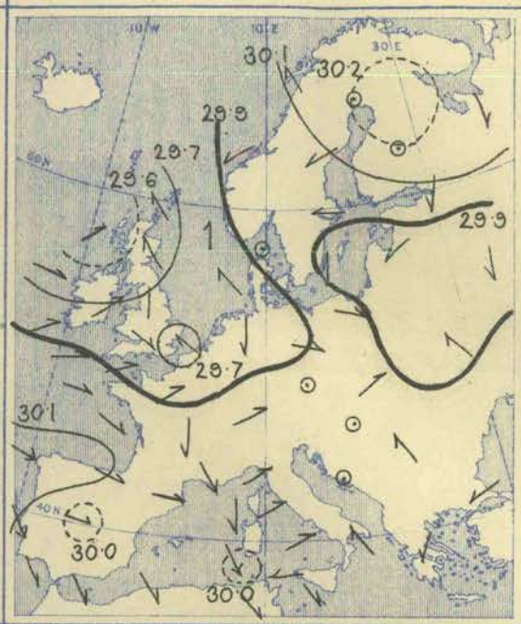
Temperature fallen a little over the United Kingdom, France, and Germany. Morning readings highest, 85° at Patras and Barcelona, and exceeding 80° at several stations in the far south; exceeding 70° over southern Europe generally, and exceeding 60° over the central countries and in the north-west of Norway. Lowest, 44° at Archangel, 51° at Kuopio, St. Petersburg, and Moscow; 55° at Loughborough and Liverpool, 56° at Oxford, York, 57° at Parsonstown and Stornoway. Rising to between 60° and 67° over our Islands later, to 77° at Berlin, and to 81° at Nice and Biarritz, 97° at Cape Béarn, and 100° at Laghouat. Succeeding night cool over England.

Barometer and Wind.

8 a.m.



6 p.m.



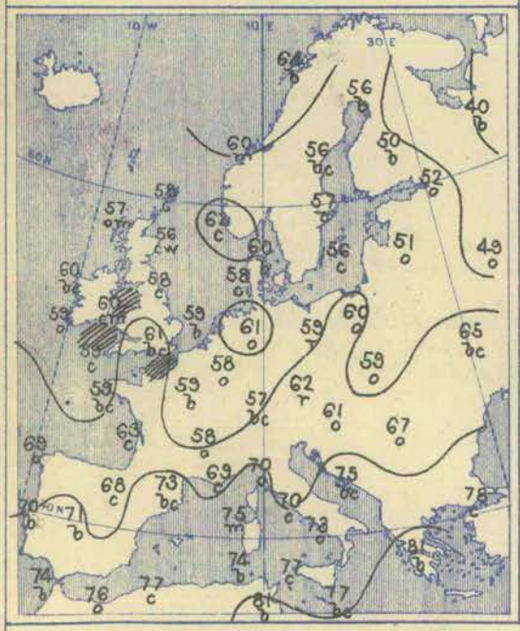
Wind very light and variable over the southern and eastern countries and mainly anticyclonic; Easterly to South-Easterly over the northern countries, Southerly and South-Westerly over Scotland and Ireland, and cyclonic (South-East to North-West) over the south of England and north of France. The last-named system moving eastwards during the day, and Southerly to Westerly winds becoming general over the United Kingdom.

Barometer highest, (1) 30·2 ins. at Madrid and exceeding 30·0 ins. in large anticyclones of irregular form covering the whole of the southern, central, and eastern countries; (2) 30·2 ins. to 30·0 ins. in another anticyclone lying over northern Europe. Lowest, below 29·9 ins. over central Russia; below 29·5 ins. off our extreme north-west coasts; and below 29·7 ins. in a small disturbance lying over Dorsetshire and the neighbouring parts of the English Channel. Latter disturbance moving north-eastwards later, and barometer rising over western Europe generally.

Wednesday, 14th August.

Temperature and Weather.

8 a.m.

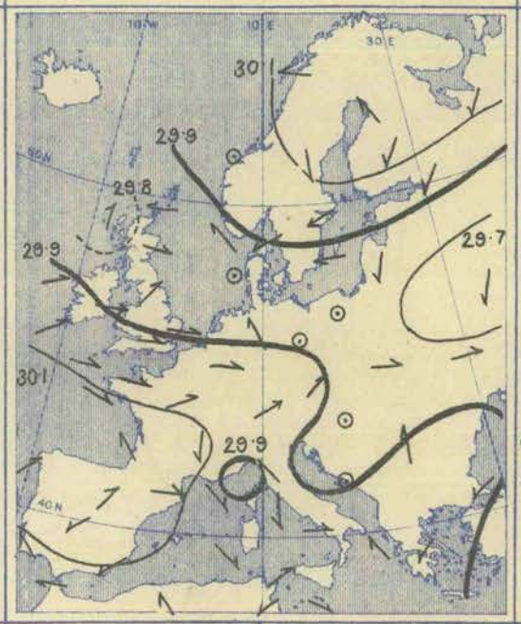


Weather in morning fine and bright at the stations in northern Europe, as well as at those in the south-western and southern countries generally; dull and very unsettled over central Russia, north Germany, and the northern and north-western parts of the British Islands, with rain in several places. Heavy rain later over Hungary, Poland, Germany, and the North Sea, thunderstorms in those regions and in the north-east and east of England; considerable rain in the west of Ireland subsequently.

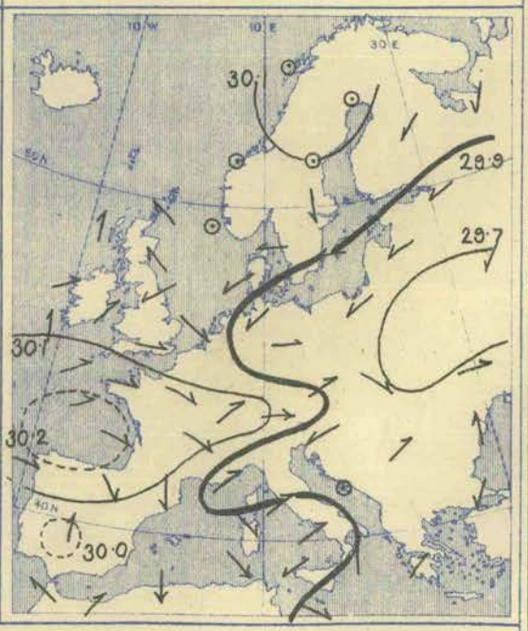
Temperature in morning highest (80° and more) in Greece, in some parts of Algeria, and on the western coast of Spain, and exceeding 70° on the Mediterranean coasts generally; exceeding 60° at most of the central stations and in some parts of our Islands, as well as on the Norwegian coast. Lowest, 40° at Archangel, 49° at Moscow, 50° at Kuopio, 56° at Haparanda, at Aberdeen, York, and Belfort, 57° at Münster and Limoges. Not touching 70° in our Islands later (except in London), but touching 71° at Paris, 82° at Nice, and 89° at Perpignan, 90° at Cagliari and Oran, 95° at Brindisi, 100° at Laghouat.

Barometer and Wind.

8 a.m.



6 p.m.



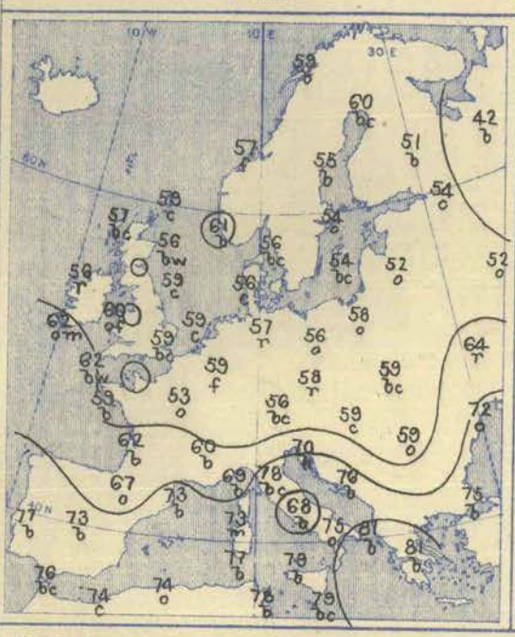
Wind Northerly to Easterly, light to strong, over the northern countries of Europe; calm and light, Southerly, in Scotland, Westerly, moderate to strong, over Ireland and England, Westerly, light, over central Europe, light and extremely variable in the south, but a complex cyclonic circulation observable over the Riviera and Gulf of Genoa. Falling very light over the British Islands later and becoming anticyclonic.

Barometer highest, 30·2 ins. to 30·0 ins. in two anticyclonic areas, one over northern, and the other over south-western Europe and the neighbouring parts of the Atlantic. Lowest, below 29·7 ins. in a depression over central Russia; below 29·8 ins. in a small disturbance off the Dutch coast; and below 29·9 ins. in a third over the Gulf of Genoa. The Dutch disturbance moving eastwards later, and a new (shallow) one appearing over the north of England.

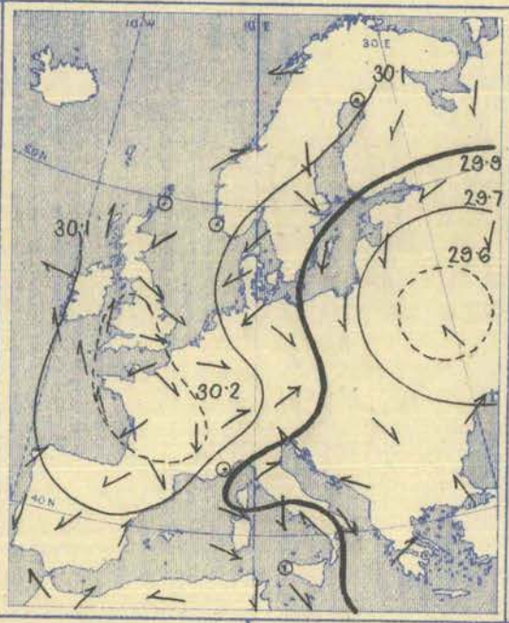
Wyman & Sons, Lt., Lith.

Thursday, 15th August.

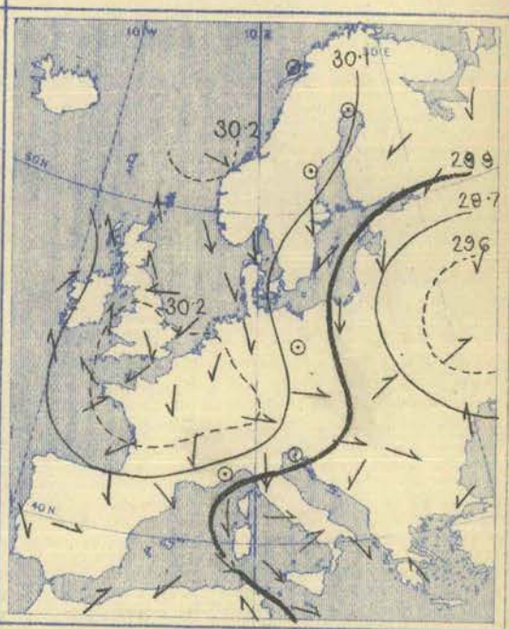
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright both over the most northern and the most southern countries in Europe, as well as over France and the eastern half of Great Britain; dull and rainy over Russia and central Europe, as well as over Ireland. Heavy rain at Stornoway during the day, and a considerable fall on our north-western coasts generally; smaller quantities over central Europe, with thunder in south Germany.

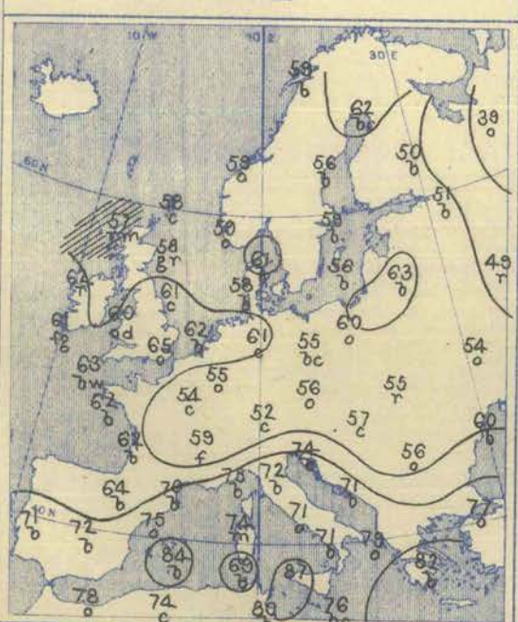
Temperature in morning highest, 80° or slightly more at Barcelona, Brindisi, and the Greek stations, and exceeding 70° over southern Europe generally; considerably lower over the other parts of Europe, and lowest, 42° at Archangel, 51° at Kuopio, 52° at Moscow; 53° at Warsaw, 56° at Munich, 58° at Prague; and 55° to 56° in several parts of the British Isles. Rising later to a little above 70° over England, to 73° at Berlin and Paris, 82° at Nice, 88° at Rome, 91° at Palermo, 97° at Sfax, and 102° at Laghouat.

Wind (1) very light and anticyclonic over the British Islands and the north-western and western countries of Europe generally; (2) cyclonic over the more eastern countries, but not strong, North-Easterly over the north of Russia, Northerly over the Baltic, North-Westerly over central Europe and the eastern half of the Mediterranean, South-Westerly to South-Easterly over the south of Russia, and North-Easterly at Moscow. No important change later.

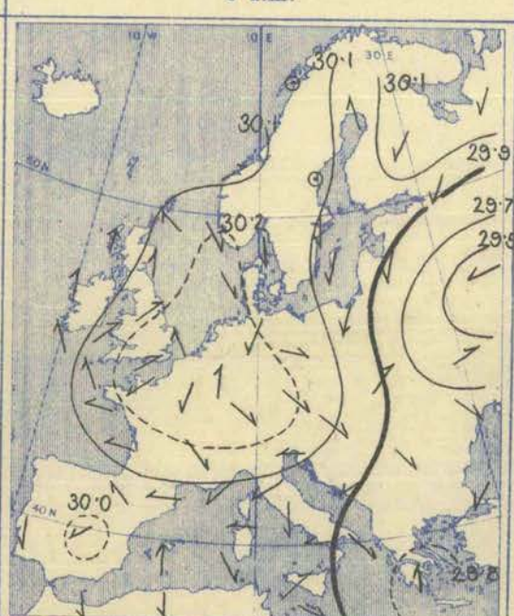
Barometer in morning highest, 30·2 ins. and more in a large anticyclone covering western Europe and the British Isles. Lowest, below 29·6 ins. in a depression over western Russia, Poland, and Hungary, and below 29·9 ins. in a "V" shaped secondary over the north of Italy. The anticyclone moving slightly to the north-eastward later, and undergoing slight modification in form.

Friday, 16th August.

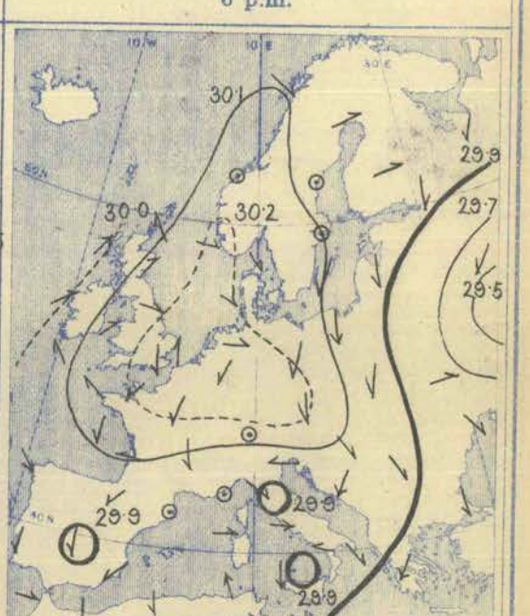
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over south-eastern, southern, and south-western Europe, over France, and the south and east coasts of the British Islands, as well as over northern Europe; dull and close over the major part of the British Islands, with rain at several of our western and northern stations; dull and rainy over central Russia, Poland, and Hungary. Rain in small quantities later at our extreme western and northern stations and in Norway; weather improving over Great Britain generally, and over Europe as a whole.

Temperature in morning highest, 84° at Palma, and again exceeding 80° in Sicily and Greece; exceeding 70° on the southern coasts of Europe generally; exceeding 60° at most of the British and Irish stations and also at Haparanda. Lowest, (1) 39° at Archangel, 49° at Moscow, 50° at Kuopio, 51° at St. Petersburg, 52° at Munich; (2) 54° at Paris, Breslau, and Prague, 55° at Brussels and Vienna. Rising later to between 70° and 74° over the major part of our Islands, to 73° at Paris, 77° at Lorient, 82° at Nice, 84° at Biarritz, 90° at Cette and Palermo, 96° at Cape Béarn, and 100° at Laghouat.

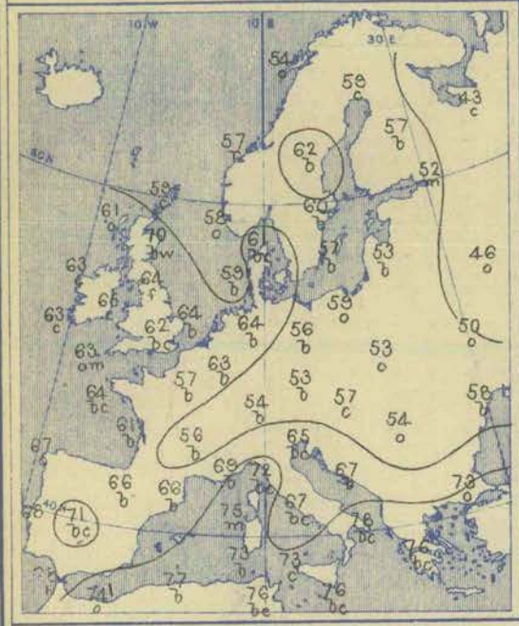
Wind (1) light and anticyclonic over France, western Germany, and Scandinavia; (2) South-Westerly to Southerly (cyclonic) on our north-west coasts; (3) North-Easterly (cyclonic) over Finland and the Baltic, North-Westerly over western Germany and Hungary, West-South-Westerly to North-Westerly over the southern parts of Russia, but Easterly at Moscow. No decided change later.

Barometer highest, 30·2 ins. and more to 30·1 ins. in an anticyclone over France, Great Britain, the North Sea, and Scandinavia. Lowest, (1) below 29·5 ins. in a large depression over Russia; (2) below 30·0 ins. off our extreme north-west coasts. The anticyclone moving eastwards slowly later, but no decided decrease of pressure observed at our western stations.

Saturday, 17th August.

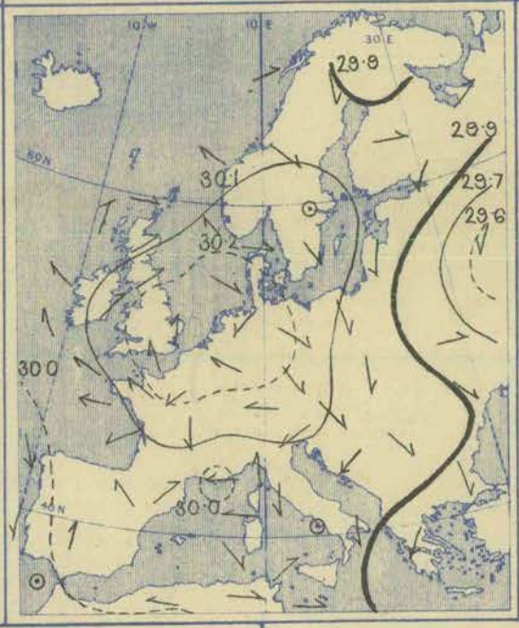
Temperature and Weather.

8 a.m.

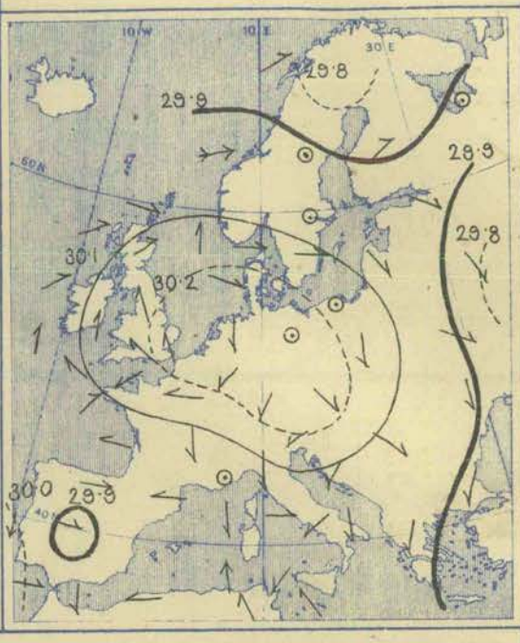


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern, western, central, and the greater part of northern Europe, cloudy in the extreme west of our Islands and Norway, with rain in some places; dull and unsettled over central Russia also. Considerable rain later in Norway and the east of Scotland, and small quantities on our extreme west and north-west coasts, but weather fine and bright over England, France, and Germany.

Temperature in morning below 50° even in the far south. Highest, 70° and more on the shores of the Mediterranean, as a whole, and at Constantinople. Above 60° in the west and north of France and over the British Islands, lower elsewhere. Lowest, 43° at Archangel, 46° at Moscow, 50° at Kiev, 52° at Kharkov and St. Petersburg, 53° at Lemberg and Prague, 54° at Münster and Bodö. Rising later to between 70° and 78° over Great Britain and France generally, and to 81° at Perpignan.

Wind light to moderate and anticyclonic over the western half of Europe, light to fresh and cyclonic over the eastern half; (1) Easterly over the Bay of Biscay, South-Easterly to Southerly on our western coasts and in the west of Norway; (2) North-Easterly over the Gulf of Finland and the Baltic, Northerly and North-Westerly over central Europe, Westerly in the south of Russia. A fresh North-Easterly to Northerly breeze reported over Italy, the Adriatic, and Greece. No decided change later.

Barometer highest, 30·2 ins. and more to 30·0 ins. in a large anticyclone covering the western countries. Lowest, 29·6 ins. and less in a depression over central Russia, and below 30·0 ins. off our extreme western coasts, and in a band lying over the central parts of the Bay of Biscay, as well as in a small depression near Toulon. No decided change later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus : ⟹ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the earlier days of this week the distribution of pressure was still of a complex type, two high-pressure systems being prevalent, one over the northern, the other over the southern countries of Europe. Large falls of rain were consequently still prevalent over the north-western and central countries, as depressions of various depth came over the British Islands and North Sea from the Atlantic, and the wind was mainly Easterly over the northern, Westerly over the southern, regions. After Tuesday, however, a change took place; gradually a well-defined anticyclone was developed over France and England, and, spreading northwards, soon took the place of the low pressure systems which for nearly a month had been observed over us. Fine bright weather now became general except in the extreme west and north-west of the British Islands, the days became warmer, though the nights were cool, and anticyclonic airs and light breezes were felt in place of the stronger cyclonic winds of the previous period.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 194.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	16·8	?	16	?	EASTBOURNE	57·4	?	57	?
OSWALDKIRK (Yorkshire)	18·2	?	18	?	MANCHESTER (Oldham Road)	19·8*	?	19*	?
WORKSOP	21·6	-12·0	21	-12	TENBY	46·1*	?	45*	?
THURCASTON (Leicestershire)	29·1	- 6·1	29	- 6	NEWQUAY	66·3	?	66	?
MARGATE	47·8	?	47	?	TORQUAY	66·6*	?	66*	?
WESTBOURNE (Sussex)	57·1*	?	57*	?	ARLEY COTTAGE (County Cavan)	14·1	?	14	?
BRIGHTON	59·7	?	59	?	GUERNSEY	69·2*	?	69*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Nyman & Sons, Lt.e, Lith.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 34.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 24TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 200.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	74	45	63·4	53·4	58·1	4 above	112	+34	0	0	1478	+204	811	+262
	1. SCOTLAND, EAST	77	40	67·3	52·7	59·5	4 above	123	+23	0	0	1667	+ 2	988	+415
	2. ENGLAND, N.E.	77	48	71·5	55·1	62·8	5 above	146	+41	0	0	1861	+114	783	+277
	3. ENGLAND, EAST	81	47	74·8	55·1	64·4	5 above	157	+39	0	0	2111	+ 62	854	+283
	4. MIDLAND COUNTIES	81	39	73·6	52·4	62·4	4 above	143	+31	0	0	2107	+ 76	934	+373
	5. ENGLAND, SOUTH	81	46	72·7	56·6	64·2	4 above	155	+28	0	0	2208	+ 7	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	72	47	64·3	54·8	59·3	3 above	121	+24	0	0	1777	+ 65	778	+334
	7. ENGLAND, N.W.	78	48	68·4	55·1	61·4	3 above	136	+28	0	0	1923	+ 82	725	+303
	8. ENGLAND, S.W.	79	45	68·5	54·8	61·2	2 above	134	+18	0	0	2060	+ 24	654	+337
	9. IRELAND, NORTH	75	43	64·4	53·7	58·7	2 above	117	+15	0	0	1835	+ 5	635	+268
	10. IRELAND, SOUTH	71	47	64·9	54·8	59·6	1 above	123	+14	0	0	2006	- 56	479	+195
	—CHANNEL ISLANDS	82	57	70·2	59·1	64·3	3 above	156	+25	0	0	2307	+ 42	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS (See p. 200.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	4 less	146	- 9	26·0	- 4·3	24	+ 8	23	+ 7	832	+ 15	30	+ 1
	1. SCOTLAND EAST	4	9	2 more	121	- 6	18·4	- 1·0	31	+ 7	31	+ 7	999	+ 79	35	+ 2
	2. ENGLAND, N.E.	2	2	4 less	122	+ 6	18·3	+ 2·3	50	+18	50	+18	1050	+112	33	+ 3
	3. ENGLAND, EAST	2	6	1 more	107	- 7	16·0	+ 0·2	65	+26	66	+25	1233	+111	40	+ 4
	4. MIDLAND COUNTIES	2	2	4 less	100	-12	15·1	- 2·6	58	+22	58	+21	1159	+151	37	+ 5
	5. ENGLAND, SOUTH	2	1	4 less	96	-13	13·7	- 2·8	66	+26	67	+26	1286	+110	41	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	7	2 less	127	- 7	20·4	-10·7	35	+ 2	35	+ 2	1053	+ 37	33	+ 1
	7. ENGLAND, N.W.	3	2	5 less	110	-12	17·9	- 2·4	39	+ 5	39	+ 5	1019	+129	36	+ 4
	8. ENGLAND, S.W.	2	2	6 less	102	-23	19·3	- 4·2	43	- 1	43	0	1379	+170	43	+ 5
	9. IRELAND, NORTH	5	10	2 more	140	- 4	20·7	- 1·3	21	- 5	21	- 5	979	+ 64	31	+ 2
	10. IRELAND, SOUTH	5	12	4 more	118	-14	22·6	- 1·5	26	- 9	26	- 9	1063	- 19	34	0
	—CHANNEL ISLANDS	4	1	5 less	118	-14	16·0	- 3·0	56	+12	58	+12	1503	+152	50	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued fine and dry during the earlier half of the period, but subsequently became unsettled; considerable quantities of rain fell in many localities and severe thunderstorms occurred in most parts of England and Ireland. In some of the English districts the thunderstorms of Thursday were accompanied by very heavy hail.

Temperature was above the mean, the excess ranging from 4° or 5° in most parts of Great Britain to 1° in Ireland S. The highest of the maxima were registered, as a rule, either on the 19th or 22nd, when the thermometer rose to 82° in the Channel Islands, to 81° in the Midland Counties and England E. and S., and to between 79° and 75° in most other districts. The lowest of the minima were recorded in most cases either at the beginning or end of the period, and ranged from 39° in the Midland Counties, 40° in Scotland E. and 43° in Ireland N., to 48° in England N.E. and N.W., and to 57° in the Channel Islands.

Rainfall exceeded the mean over Ireland, Scotland E., and England E., but in all other districts it was less than the normal.

Bright Sunshine was more prevalent over the greater part of England and in most parts of Scotland than it has been for some time past, but was less than the mean in England S.W. and over Ireland. The percentage of the possible duration ranged from 39 to 67 over England, from 23 to 35 in Scotland, and from 21 to 26 in Ireland.

Barometer and Wind.—The distribution of pressure was anticyclonic during the earlier half of the week, but, later on, small shallow depressions either approached our Islands from the westward or were developed directly over us. South-Westerly or Southerly winds of little strength were generally prevalent, but varied a good deal towards the end of the week, and, at its close, the wind had shifted to the North-Westward.

607 1|90 W. & S. Ltd.
213 70 8|95 1296

II.—DATA from which the SUMMARY on page 199 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ⚓	64	48	61·9	52·7	57·0	+ 4·3	105	0	4	0·37	−0·36	*	*	*	*
	Stornoway	67	46	62·3	53·1	57·4	+ 3·9	108	0	6	0·71	−0·14	35·2	+ 8·3	34	+ 7
	Wick	70	48	66·3	54·3	59·9	+ 6·0	125	0	1	0·20	−0·39	*	*	*	*
	Glencarron ⚓	73	45	62·2	52·2	56·9	+ 3·4	104	0	6	0·74	−0·76	*	*	*	*
	Fort Augustus ⚓	74	47	65·6	52·9	58·9	+ 3·6	118	0	7	0·87	+0·17	20·7	?	20	?
	Fort William ⚓	68	49	61·9	55·0	58·2	+ 2·3	113	0	7	0·49	−0·82	16·2	?	16	?
1. SCOTLAND, E.	Nairn	76	48	68·4	52·4	59·9	+ 2·9	125	0	4	0·27	−0·33	*	*	*	*
	Aberdeen	73	51	67·4	55·7	61·2	+ 4·4	134	0	4	1·14	+0·47	41·4	+ 7·9	41	+ 7
	Braemar ⚓	68	43	63·0	50·9	56·6	+ 3·7	102	0	4	1·77	+0·93	26·3†	†	26†	†
	Ochtertyre ⚓	75	42	68·1	51·0	59 0	+ 3·1	119	0	5	0·85	+0·05	*	*	*	*
	Leith	77	51	70·4	55·4	62·5	+ 4·8	144	0	5	1·03	+0·43	*	*	*	*
	Marchmont ⚓	74	40	66·3	50·6	58·0	+ 2·6	112	0	3	0·41	−0·38	28·3	?	28	?
2. ENGLAND, N.E.	Alnwick Castle	71	51	69·0	55·0	61·6	+ 5·6	137	0	1	0·02	−0·68	*	*	*	*
	Durham	77	48	72·4	52·7	62·0	+ 4·6	140	0	4	0·04	−0·58	53·5	+21·0	53	+21
	Shields	76	51	70·4	54·7	62·1	+ 4·9	141	0	1	0·03	−0·57	*	*	*	*
	Scarborough ⚓	77	49	73·8	55·7	64·2	+ 6·5	155	0	2	0·17	−0·41	*	*	*	*
	York	77	53	73·7	55·0	63·8	+ 5·4	153	0	1	0·11	−0·47	47·1	+15·3	47	+16
	Spurn Head	75	53	69·7	57·7	63·3	+ 4·1	149	0	4	0·52	+0·10	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	81	49	77·6	53·4	64·8	+ 5·4	160	0	3	0·83	+0·25	60·0	+23·0	61	+22
	Yarmouth	75	56	71·1	59·0	64·7	+ 4·8	159	0	1	0·04	−0·42	*	*	*	*
	Geldeston	80	47	75·3	54·0	64·0	+ 4·4	154	0	0	—	−0·45	63·9	+24·9	68	+25
	Cambridge	80	51	76·0	55·0	64·9	+ 4·5	160	0	3	1·52	+1·03	69·0	+30·7	69	+29
	Rothamsted	78	49	74·0	54·2	63·5	+ 4·3	151	0	2	0·44	−0·11	63·5	?	64	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	80	39	75·6	51·1	62·6	+ 3·8	144	0	1	0·03	−0·49	*	*	*	*
	Loughborough	80	49	75·4	54·0	64·1	+ 4·2	155	0	3	0·28	−0·30	*	*	*	*
	Stamford (Ketton Hall)	81	46	76·1	50·4	62·4	+ 2·8	143	0	3	0·49	−0·03	*	*	*	*
	Cheadle ⚓	74	48	70·1	53·8	61·5	+ 4·9	137	0	1	0·01	−0·81	*	*	*	*
	Solihull	77	50	73·6	52·8	62·6	+ 3·9	144	0	2	0·25	?	*	*	*	*
	Churchstoke ⚓	76	47	71·6	50·9	60·6	+ 3·4	130	0	3	0·09	−0·51	53·9	+17·9	54	+17
	Hereford ⚓	79	48	74·4	52·9	63·0	+ 3·6	147	0	2	0·03	−0·52	*	*	*	*
	Cirencester	76	46	71·7	50·1	60·3	+ 2·4	128	0	2	0·26	−0·42	59·8	+20·0	60	+21
	Oxford	79	50	74·0	55·7	64·3	+ 4·3	156	0	1	0·08	−0·41	69·8	+30·0	71	+30
5. ENGLAND, S.	London	81	50	77·4	56·6	66·4	+ 5·1	171	0	2	0·21	−0·29	62·5†	+27·3	63†	+26†
	North Foreland	78	55	71·6	58·7	64·8	+ 5·2	160	0	1	0·32	?	*	*	*	*
	Strathfield Turgiss ⚓	80	46	75·8	50·6	62·4	+ 2·2	143	0	2	0·07	−0·41	*	*	*	*
	Dungeness	71	52	69·6	57·9	63·4	+ 1·9	150	0	2	0·13	−0·34	*	*	*	*
	Hastings (St. Leonards)	76	55	71·3	59·4	65·0	+ 3·4	161	0	1	0·02	−0·52	72·8	+28·8	74	+29
	Southampton	79	53	74·5	56·6	65·0	+ 3·8	161	0	1	0·06	−0·51	60·7	+22·1	68	+23
	Hurst Castle	74	54	71·1	59·1	64·7	+ 3·3	159	0	1	0·02	−0·52	*	*	*	*
	Stowell ⚓	75	49	70·6	53·7	61·6	+ 2·8	137	0	2	0·06	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	49	63·3	54·7	58·7	+ 2·3	117	0	6	0·67	−0·53	*	*	*	*
	Glasgow	72	48	65·4	55·3	60·1	+ 4·1	127	0	6	0·76	−0·09	33·8	+ 5·3	33	+ 5
	Ardrossan	68	53	63·6	56·9	60·1	+ 2·4	127	0	5	0·79	−0·03	*	*	*	*
	Glenlee ⚓	70	47	64·7	52·7	58·3	+ 2·8	114	0	6	0·92	−0·06	*	*	*	*
	Douglas (Isle of Man)	69	49	64·5	54·6	59·3	+ 2·8	121	0	4	0·30	−0·51	36·8	− 0·9	37	− 1
7. ENGLAND, N.W.	Stonyhurst	72	51	67·5	54·3	60·5	+ 2·9	130	0	4	0·26	−0·81	43·9	+10·8	44	+10
	Blackpool ⚓	76	49	70·0	53·5	61·3	+ 2·7	135	0	2	0·16	−0·54	35·6	+ 1·1	36	+ 1
	Manchester (Prestwich)	74	48	70·2	53·7	61·5	+ 3·6	137	0	1	0·12	−0·64	40·6	?	41	?
	Liverpool Obsy. (Bidston)	75	53	68·7	56·6	62·3	+ 2·9	142	0	2	0·12	−0·52	*	*	*	*
	Llandudno ⚓	78	54	68·4	56·3	62·0	+ 2·3	140	0	3	0·45	−0·16	36·9	+ 1·9	37	+ 3
	Holyhead	70	52	65·4	56·3	60·6	+ 1·8	130	0	5	0·15	−0·50	*	*	*	*
8. ENGLAND, S.W.	Llandovery	79	45	72·1	51·7	61·3	+ 2·5	135	0	1	0·04	−1·00	*	*	*	*
	Pembroke	75	54	64·4	56·7	60·3	+ 1·4	128	0	3	0·46	−0·18	40·7	− 3·6	41	− 4
	Bristol (Montpelier)	78	53	73·8	56·7	64·7	+ 4·9	159	0	1	0·09	−0·65	*	*	*	*
	Arlington (N. Devon)	73	47	68·0	53·1	60·1	+ 2·5	127	0	2	0·71	−0·39	*	*	*	*
	Cullompton ⚓	75	46	71·5	51·6	61·0	+ 2·4	133	0	2	0·11	−0·51	50·8	+10·1	52	+11
	Falmouth	69	52	66·8	56·3	61·2	+ 1·5	134	0	3	0·08	−0·72	45·6	− 0·3	47	0
	Plymouth	71	53	65·6	56·1	60·6	− 0·3	130	0	1	0·09	−0·52	34·4	− 9·2	35	− 9
	Prawle Point	68	54	65·7	56·3	60·7	+ 1·2	131	0	1	0·06	−0·39	*	*	*	*
9. IRELAND, N.	Malin Head	69	52	63·0	56·6	59·6	+ 2·7	123	0	5	0·18	?	*	*	*	*
	Londonderry	75	49	68·5	54·6	61·1	+ 3·8	134	0	6	0·45	−0·42	*	*	*	*
	Edenfel (Omagh)	69	45	63·9	53·9	58·6	+ 2·3	116	0	3	1·59	+0·79	*	*	*	*
	Belmullet	64	51	62·1	55·0	58·3	− 0·1	114	0	4	0·24	?	*	*	*	*
	Markree Castle	70	44	65·0	51·7	58·0	+ 1·8	112	0	4	0·76	−0·05	28·2	+ 0·4	28	+ 1
	Brookeborough	70	43	64·5	53·5	58·7	+ 2·8	117	0	5	1·23	+0·48	*	*	*	*
	Armagh	69	45	65·3	53·8	59·2	+ 2·3	120	0	5	1·82	+1·17	15·0	−11·5	15	−12
	Donaghadee	69	48	64·3	53·3	58·5	+ 1·9	116	0	5	1·28	+0·60	*	*	*	*
	Edgeworthstown	67	44	63·3	50·8	56·7	+ 0·2	103	0	4	1·15	+0·40	*	*	*	*
10. IRELAND, S.	Dublin	70	49	66·6	56·1	61·0	+ 2·2	133	0	6	0·74	+0·12	22·9	−13·1	23	−13
	Parsonstown	71	47	66·1	54·6	60·0	+ 2·4	126	0	6	1·78	+1·01	23·8	− 8·2	24	− 9
	Kilkenny	67	48	64·3	55·3	59·5	+ 1·4	123	0	5	1·61	+0·82	*	*	*	*
	Roche's Point	66	51	64·3	55·7	59·7	+ 0·5	124	0	5	1·42	+0·57	*	*	*	*
	Valencia	66	51	63·9	53·7	58·5	− 0·2	116	0	5	1·22	+0·22	30·2	− 5·7	31	− 5
	Killarney	67	49	64·4	53·5	58·6	+ 0·8	116	0	5	0·40	?	*	*	*	*
	Foynes															
CHANNEL ISLANDS	Scilly (St. Mary's)	68	58	66·7	58·7	62·5	+ 2·1	144	0	4	0·04	−0·54	49·1	?	50	?
	Jersey	82	57	73·6	59·4	66·1	+ 3·6	169	0	3	0·07	−0·51	65·5	+11·5	67	+12

Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

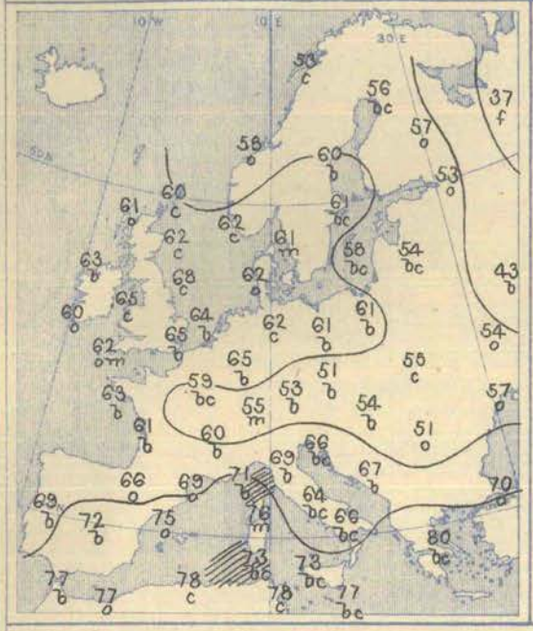
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports o Sunshine see last page.

Sunday, 18th August.

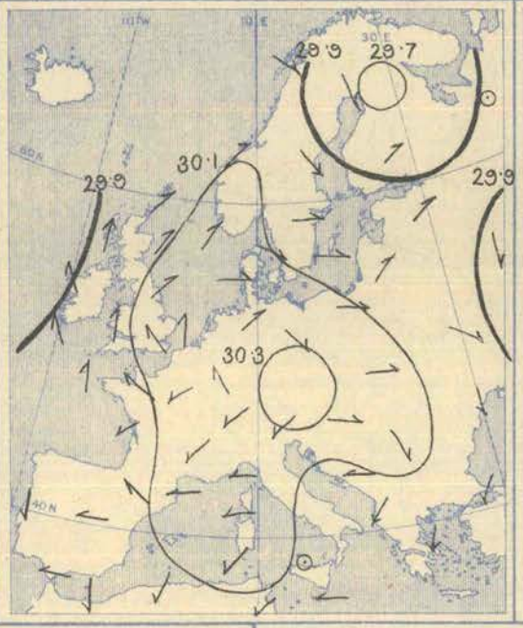
Temperature and Weather.

8 a.m.

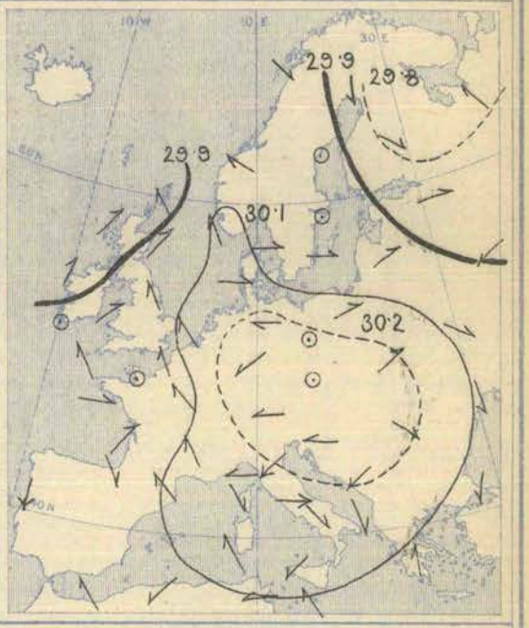


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the whole of southern, central, and western Europe, including the greater part of the United Kingdom, dull in the extreme north and in the west of the British Isles. Showers later in Ireland and some parts of Scotland, and a larger quantity of rain in the north-west of Norway; fine, dry weather continuing prevalent over England, Spain, France, and central Europe.

Temperature in morning highest, 80° at Patras, 78° at Algiers, and exceeding 70° at most of the Mediterranean stations; 72° at Jersey, and exceeding 65° over the British Islands. Lowest, 37° at Archangel, 43° at Moscow, 52° at Warsaw, 53° at Kharkov, and below 60° over central Europe generally. Rising later to between 75° and 79° over England, to 88° at Marseilles, Palermo, and Tunis, and to 97° at Laghouat.

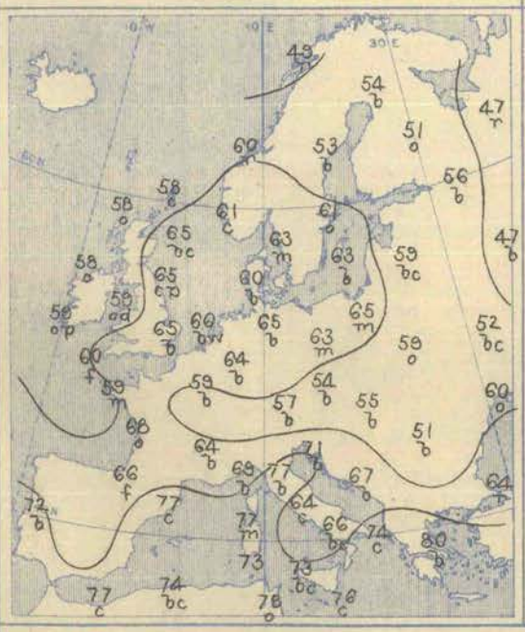
Wind anticyclonic over Europe as a whole, and in most places very light in force, North-Easterly to Easterly over the Mediterranean. South-Easterly to Southerly over the British Islands, North-Westerly to Westerly over Lapland and Sweden, but South-Westerly over Finland. Freshening a little at our western stations later and becoming cyclonic; no other change of importance.

Barometer highest, 30·3 ins. and more over Austria, and exceeding 30·0 ins. in a large anticyclone covering the whole of western Europe and extending nearly as far north as Bodö. Lowest, about 29·7 ins. in a depression over Lapland, and below 29·9 ins. over those parts of the Atlantic adjacent to our extreme north-west coasts. Falling somewhat along our extreme north-west coasts later and becoming cyclonic. No other change of importance elsewhere.

Monday, 19th August.

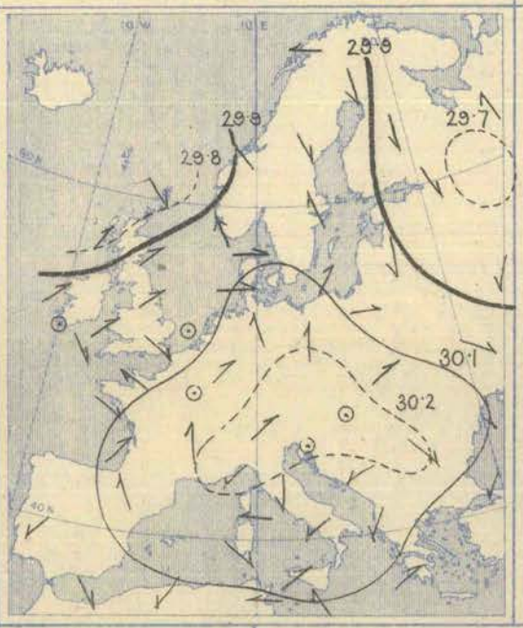
Temperature and Weather.

8 a.m.

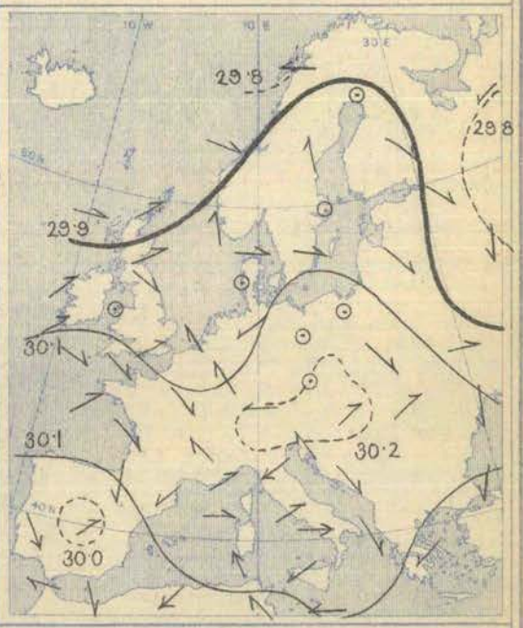


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over nearly the whole of Continental Europe, as well as over the greater part of England and Scotland; dull over Ireland, with rain at the western stations; rainy over the north-west of Norway and west of Lapland. Heavy rain later over these last named regions, small quantities in the north and west of Ireland, but fine weather continuing elsewhere.

Temperature highest, 80° at Patras, and above 70° over southern Europe generally; 70° at Jersey, and above 60° over England, the North Sea, and the Baltic. Lowest, 47° at Archangel and Moscow, 48° at Kharkov, 49° at Bodö, 51° at Kuopio, 52° at Kiev, 53° at Lemberg, 54° at Breslau, 56° at Wiesbaden. Rising later to 75° and more over the east of Scotland, to between 75° and 81° over England, to 79° at Berlin, 83° at Lyons, and 85° at Paris.

Wind (1) light and anticyclonic over the greater part of Europe, including the southern half of our Islands; (2) South-Westerly, moderate, but cyclonic, over our northern districts, and South-Easterly in the west of Norway; (3) Northerly over Finland, the Gulf of Bothnia, and central Russia, but South-Easterly at Archangel. Becoming more Westerly in Scotland later, hardly any change elsewhere.

Barometer highest, 30·2 ins. and more to 30·0 ins. in a large anticyclone covering almost the whole of Europe. Lowest, 29·8 ins. and less in a shallow depression lying off the north of Scotland, and about 29·7 ins. in another over the north of Russia. Falling over the west of Lapland later, rising slightly in our Islands.

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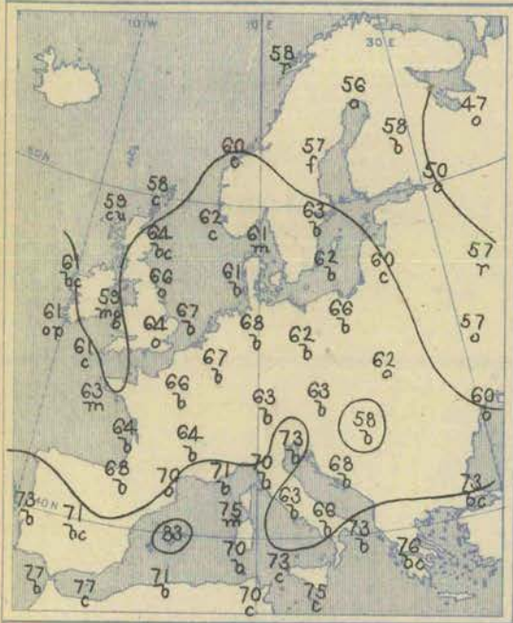
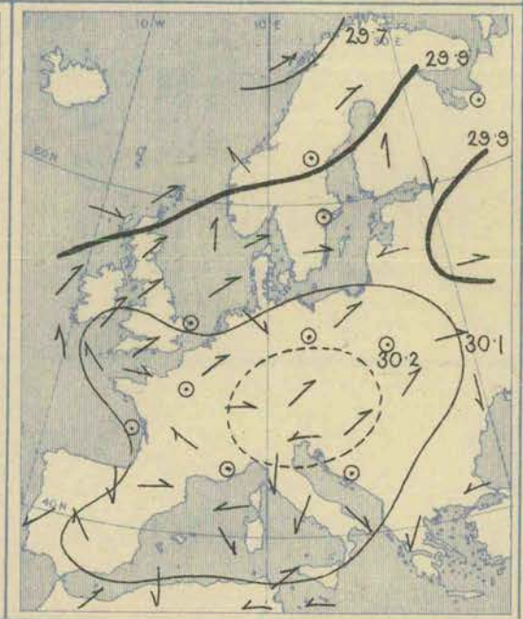
Tuesday, 20th August.

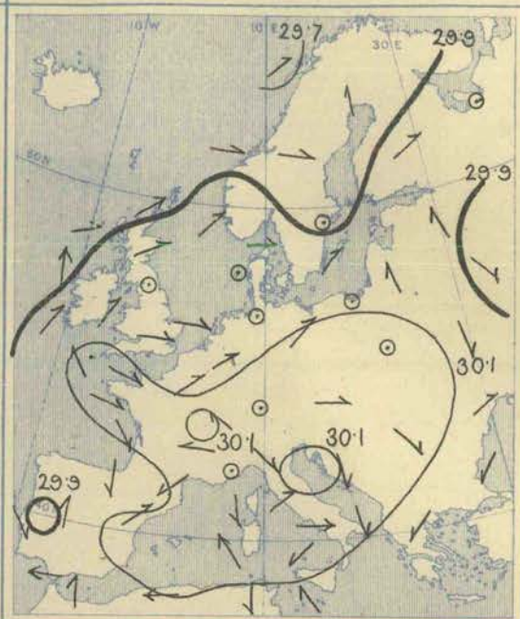
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over southern, western, and central Europe, as well as over the Baltic, Denmark, and the greater part of our Islands, hazy over the English Channel and in the Skager Rack, foggy at Hernösand; showery in the extreme west of Ireland and at Bodö, and considerable rain over Ireland later, and rather less over the Shetlands and Finmark. Very fine weather over the other parts of Europe.

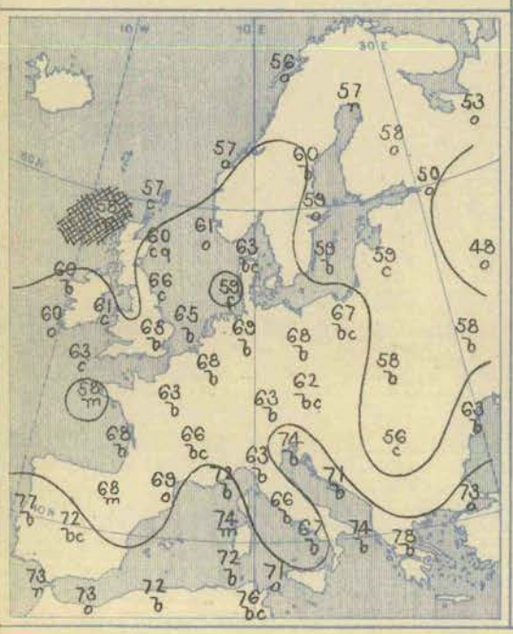
Temperature in morning highest, 83° at Palma, 77° at Oran, and above 70° at nearly all the Mediterranean stations and on the Atlantic coasts of Portugal and Spain; exceeding 60° over western Europe and in many parts of Scandinavia and the British Islands. Lowest, (1) 47° at Archangel, 50° at St. Petersburg, 51° at Moscow, 56° at Kharkov, 54° at Vienna; (2) 58° at Prague, as well as at Wick and Nairn. Rising later to between 70° and 76° over Great Britain, to 82° at Berlin, and 86° at Paris; succeeding night warmer than that which preceded it.

Wind South-Westerly (Southerly to Westerly) over the most northern and north-western regions, and, as a whole, cyclonic in tendency; very light elsewhere and anticyclonic, mainly Northerly to North-Easterly over the Mediterranean. The former winds freshening decidedly later on our extreme north and west coasts. No decided change over the Continent.

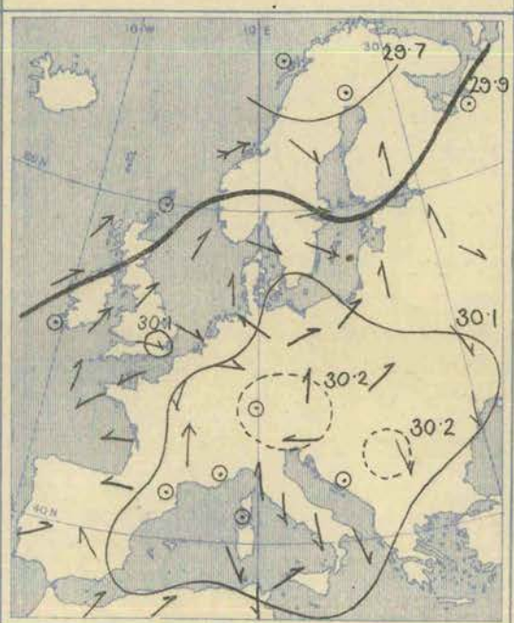
Barometer highest, 30·2 ins. and more to 30·0 ins. in a large anticyclone covering by far the greater part of Europe, and having its central area over Austria-Hungary and the north of Italy. Lowest, below 29·7 ins. over Finmark and adjacent parts of the Atlantic, and below 29·8 ins. a little to the north-eastward of Moscow. A new depression approaching our extreme western coasts later from the South-Westward, and a secondary advancing past the Shetlands towards Norway.

Wednesday, 21st August.

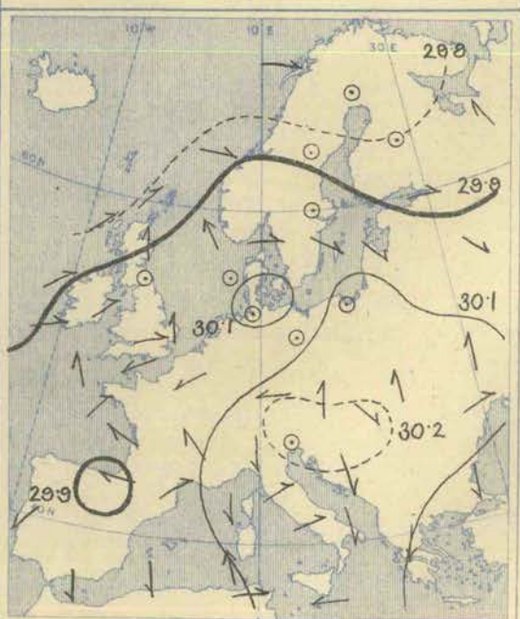
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over all the Continental countries south of the Baltic, as well as over England, but very foggy in the Channel and at Fanö; dull and showery over Ireland, Scotland, and several parts of Scandinavia, dull over the northern half of Russia also. Considerable rain later in several parts of Ireland and Scotland, and a heavy fall at Cambridge (in a thunderstorm) early on following morning. Very fine over France and Germany. Fog over Channel clearing during day.

Temperature in morning below 80° everywhere, but exceeding 70° at most of the Mediterranean stations and at Lisbon; exceeding 60° except over Russia and the northern and north-western countries. Lowest, (1) 48° at Moscow, 50° at St. Petersburg, 53° both at Archangel and Kharkov, 56° at Uleaborg and Bodö, 57° at Sumburgh Head. Rising later to between 77° and 81° over England, to 84° at Berlin, 87° at Paris and Lyons, and to 97° at Biarritz. Succeeding night warm and very close over our Islands.

Wind light and anticyclonic over southern, central, and eastern Europe; Southerly to South-Westerly over the British Islands, and blowing strongly over the Minch; Westerly to North-Westerly over Scandinavia. Shifting to the Eastward, very light over the Channel.

Barometer highest, 30·2 ins. and more to 30·0 ins. in a very large anticyclone covering all but the northern and extreme north-western countries, and having its central area over Austria-Hungary. Lowest, below 29·7 ins. over Lapland and apparently off the extreme north-west of Ireland also. Gradients slight. Falling somewhat over France and England later, and local depressions being developed over England.

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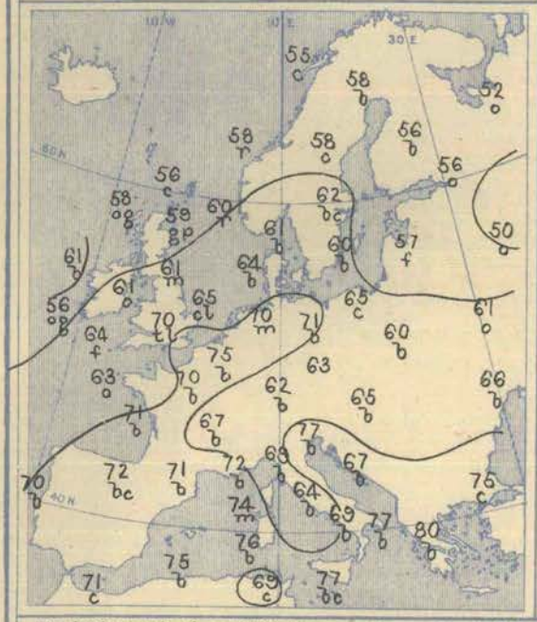
Thursday, 22nd August.

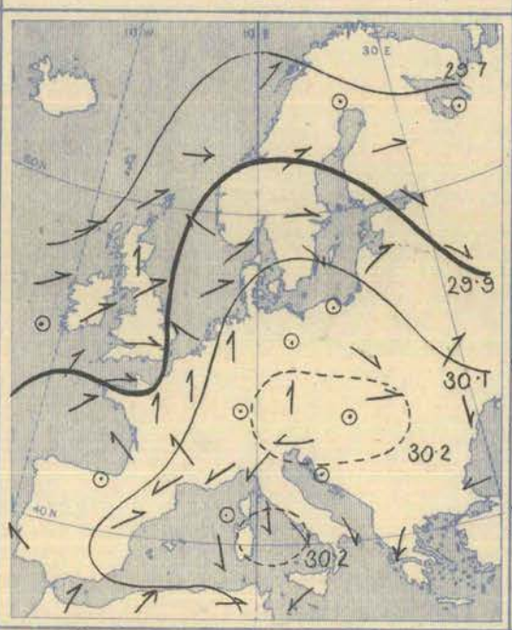
Temperature and Weather.

8 a.m.

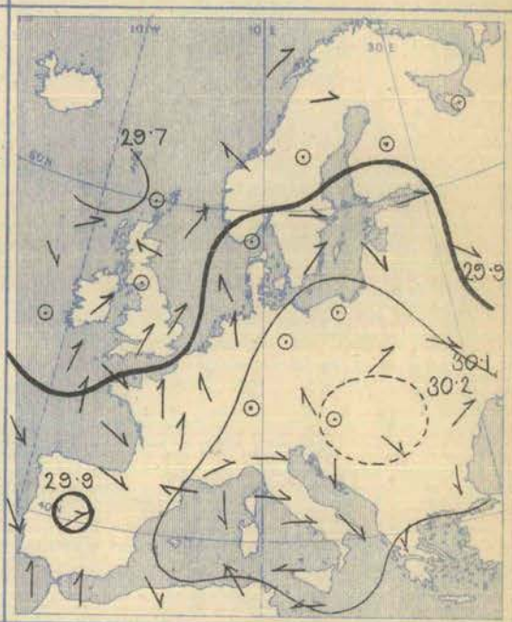


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern and central Europe, as well as in many parts of Finland and Sweden; dull over Russia; cloudy and very unsettled over the British Islands, with rain in several places, and thunderstorms over the east of England. Very unsettled and oppressive in our Islands all day, severe thunderstorms later over the south of Ireland and the south and east of England and at Rochefort and the Scaw, lightning in the north of England. Rainfall varying in amount locally, and exceeding 0·6 in. in the south of Ireland.

Temperature changing fitfully, especially over England. Morning readings highest, 80° at Patras and Barcelona, 77° at Brindisi and Malta, and exceeding 70° at most of the Mediterranean stations, 71° at Berlin, 70° at Paris and in London. Lowest, (1) 50° at Moscow, 52° at Archangel, 56° at St. Petersburg; (2) 56° at Sumburgh Head and Valencia (Ireland), 57° at Parsonstown. Rising later to 80° or 81° in many parts of England, to 88° at Berlin and Belfort, 89° at Paris, and 93° at Perpignan.

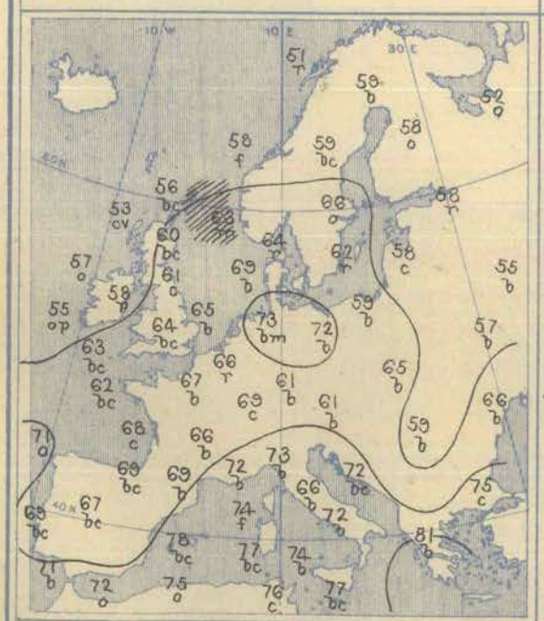
Wind very light and anticyclonic over central, southern, and south-eastern Europe; light and extremely variable, but mainly cyclonic, over the British Islands, South-Easterly to Westerly on the Norwegian coasts, North-Westerly, very light, over Russia. Continuing light and very variable over Russia all day.

Barometer highest, 30·2 ins. and more over Austria-Hungary, and exceeding 30·0 ins. over all but the northern countries of Continental Europe. Lowest, below 29·7 ins. over Lapland and the White Sea, as well as off our extreme north-west coasts; very shallow local disturbances over England and the Bay of Biscay. Further disturbances advancing across our Islands later, and barometer falling slightly over north-western Europe generally.

Friday, 23rd August.

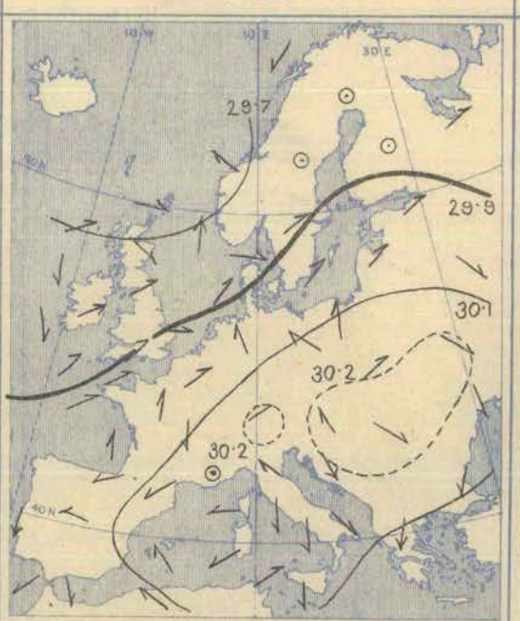
Temperature and Weather.

8 a.m.

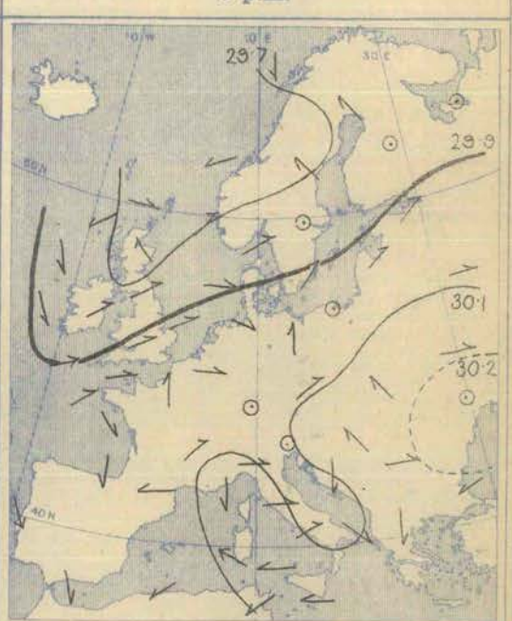


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fine and bright over eastern, southern, and south-western Europe, unsettled and variable in the north-west, with showers in the western parts of the British Islands and Norway. Rain falling later over all the western and northern parts of the United Kingdom and Norway, slight as a whole, but heavy in a few localities. Thunder and lightning occurring all over Ireland and England, and at a few widely separated Continental stations.

Temperature in morning highest, 81° at Patras, and exceeding 70° at nearly all the Mediterranean stations and over the western parts of north Germany, 67° at Paris. Lowest, (1) 52° at Archangel, 55° at Moscow, 58° over many other parts of Russia; (2) 51° at Bodö, 53° at Stornoway, 55° at Valencia, 56° at several of our western and north-western stations. Rising later to between 70° and 75° over many parts of Great Britain, to 78° at Paris, 87° at Lyons, and 90° at Berlin. Succeeding night cool over the British Islands.

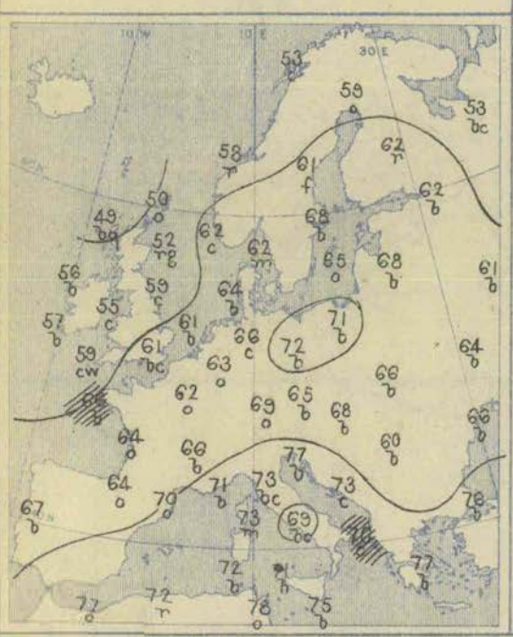
Wind (1) light and anticyclonic over eastern, central, and southern Europe as a whole, but strong from the Northward at Lésina and North-Easterly over Greece: (2) South-Westerly to Southerly over the greater part of north-western Europe, but Westerly, light, over Scotland and Northerly, light, over Ireland and on the Portuguese coast. The Northerly current spreading somewhat to the eastward later.

Barometer highest, 30·2 ins. and more over south Germany and Switzerland, and exceeding 30·0 ins. over all the central and southern parts of Europe. Lowest, 29·7 ins. and less in a depression over the west of Norway, the Shetlands, and the north of Scotland, below 29·8 ins. in a large "V" over Ireland. Latter system becoming more pronounced later and moving very slowly to the eastward.

Saturday, 24th August.

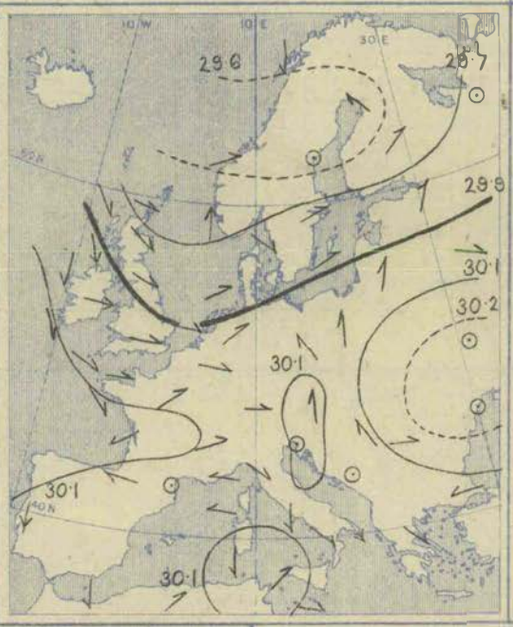
Temperature and Weather.

8 a.m.

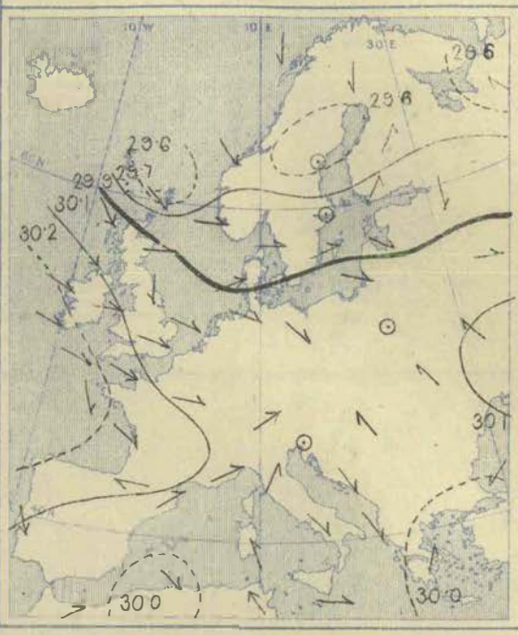


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over by far the greater part of Europe, including the British Islands, dull in the far north, with rain at some of the Norwegian stations and in the northern parts of our Islands. Considerable quantities of rain over Germany and Scandinavia later. Showers in Scotland and Ireland; heavy rain at Perpignan, Cape Béarn, and Cette.

Temperature decreasing over western Europe. Morning readings below 80° everywhere; highest, exceeding 70° over the Mediterranean and some parts of north Germany, and exceeding 60° over the greater part of Continental Europe. Lowest, 49° to 52° at most of the Scotch stations, 53° at Parsonstown, and Malin Head, 55° at Holyhead 56° at Pembroke and York. Just touching 70° later at Hurst Castle and in London, as well as in Denmark and at Cuxhaven, but touching 73° at Stockholm and Wisby, 77° at Rochefort, 86° at Cracow, 88° at Cape Béarn and Rome, 95° at Laghouat.

Wind light and anticyclonic over all the southern countries; North-Westerly to Westerly, light to moderate, over the British Isles, Westerly and South-Westerly over the North Sea and Baltic, but Easterly to Northerly over the north of Finland and Lapland. Freshening from North-West in Scotland later, and blowing very strongly for a time at Wick. No other change of importance.

Barometer highest, (1) 30·2 ins. and more to 30·1 ins. over south-eastern Europe; (2) 30·1 ins. and more over the Bay of Biscay, the west of France, and north-west of Spain, and exceeding 30·0 ins. over all the southern half of the Continent and the south-west of our Islands. Lowest, below 29·6 ins. in a shallow but complex depression covering the northern parts of Norway and Sweden and the west of Finland. New depression developing near the Shetlands later, but barometer rising over Ireland, England, and France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➤ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the first half of this week a large anticyclone was lying over central Europe and spreading so far to the northward and westward that it was only at the extreme western and northern stations in our Islands and northern Europe that any rain was reported. In all the other regions the weather was fine; the daily range of temperature was, therefore, very large at all the inland stations, the winds were light, and the sky clear. Very gradually, however, the anticyclone moved eastwards; on Thursday a series of shallow disturbances began to appear over the British Isles and France, and thunderstorms of great severity spread over these regions (and especially over England) with heavy falls of rain and hail in several localities. The lightning was unusually vivid and continuous over London.

At the close of the week the disturbances were all passing away northwards, and a new anticyclone had appeared off our western coasts, that in the east and south-east having all but disappeared.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 200.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	28·7	?	28	?	EASTBOURNE	65·9	?	67	?
OSWALDKIRK (Yorkshire)	49·4	?	48	?	MANCHESTER (Oldham Road)	37·7*	?	38*	?
WORKSOP	44·0	+12·0	44	+12	TENBY	41·0*	?	41*	?
THURCASTON (Leicestershire)	61·4	+27·4	62	+28	NEWQUAY		?		?
MARGATE	59·6	?	61	?	TORQUAY	43·0*	?	44*	?
WESTBOURNE (Sussex)	66·3*	?	68*	?	ARLEY COTTAGE (County Cavan)	19·6	?	20	?
BRIGHTON	66·3	?	68	?	GUERNSEY	54·6*	?	56*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 35.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 31ST, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 206.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	38	59·0	48·4	53·4	0 (average)	80	+ 3	0	0	1558	+207	811	+232
	1. SCOTLAND, EAST	69	40	62·7	50·5	56·3	2 above	100	+ 5	0	0	1767	+ 7	988	+415
	2. ENGLAND, N.E.	71	43	65·9	53·6	59·4	3 above	122	+21	0	0	1983	+125	783	+277
	3. ENGLAND, EAST	76	42	69·7	52·4	60·6	2 above	130	+17	0	0	2241	+ 79	854	+283
	4. MIDLAND COUNTIES	73	39	67·7	51·7	59·2	1 above	120	+12	0	0	2227	+ 88	934	+372
	5. ENGLAND, SOUTH	77	42	68·8	54·1	61·1	1 above	134	+11	0	0	2342	+ 18	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	42	61·6	53·0	57·1	2 above	106	+13	0	0	1883	+ 78	778	+334
	7. ENGLAND, N.W.	72	43	64·3	54·5	59·1	1 above	120	+16	0	0	2043	+ 98	725	+303
	8. ENGLAND, S.W.	71	35	65·7	53·6	59·3	0 (average)	121	+ 8	0	0	2181	+ 32	654	+337
	9. IRELAND, NORTH	69	40	62·6	52·4	57·3	1 above	107	+ 9	0	0	1942	+ 14	635	+268
	10. IRELAND, SOUTH	72	42	64·9	53·6	58·9	1 above	118	+12	0	0	2123*	- 45	479	+195
	—CHANNEL ISLANDS	72	51	68·2	56·9	62·2	1 above	141	+13	0	0	2448	+ 55	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. See p. 206.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	30	21 more	153	- 6	29·0	- 2·3	13	- 7	13	- 7	845	+ 8	30	+ 1
	1. SCOTLAND EAST	6	12	5 more	127	- 4	19·6	- 0·5	22	-12	23	-13	1021	+ 67	35	+ 2
	2. ENGLAND, N.E.	4	6	1 more	126	+ 6	18·9	+ 2·3	32	+ 2	33	+ 2	1052	+113	33	+ 3
	3. ENGLAND, EAST	2	2	4 less	109	- 9	16·2	- 0·2	58	+20	60	+20	1291	+131	40	+ 4
	4. MIDLAND COUNTIES	3	4	3 less	103	-13	15·5	- 2·8	45	+11	47	+11	1204	+162	37	+ 5
	5. ENGLAND, SOUTH	2	2	3 less	98	-14	13·9	- 3·1	55	+17	58	+18	1341	+127	40†	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	21	12 more	133	- 6	22·5	- 0·5	22	-10	23	- 9	1075	+ 28	33	+ 1
	7. ENGLAND, N.W.	4	12	4 more	114	-12	19·1	- 2·0	27	- 4	28	- 4	1046	+125	36	+ 4
	8. ENGLAND, S.W.	3	8	1 more	105	-24	20·1	- 4·2	39	- 1	41	- 1	1417*	+169	43	+ 5
	9. IRELAND, NORTH	6	15	8 more	146	- 4	22·2	- 0·6	15	-11	16	-11	994	+ 53	31	+ 2
	10. IRELAND, SOUTH	4	8	1 less	122	-14	23·4	- 1·5	20	-13	21	-14	1083	- 32	33	- 1
	—CHANNEL ISLANDS	3	4	3 less	121	-16	16·4	- 3·2	53	0	55	0	1556	+151	50	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was unsettled and showery in nearly all parts of our Islands during the first two or three days of the period. It subsequently became very fine and dry over England, but continued very unsettled in the extreme north-western and northern parts of the Kingdom, with frequent and heavy rain.

Temperature just equalled the mean in Scotland W. and England S.W., but slightly exceeded it in all other districts. The highest of the maxima were recorded during the middle or latter part of the week, when the thermometer rose to 77° in England S., 76° in England E., and to between 70° and 73° in most other districts. The lowest of the minima were registered on the 25th, when they ranged from 35° in England S.W. (at Llandovery), 38° in Scotland N., and 39° in the Midland counties to 43° in England N.E. and N.W. In the Channel Islands, however, the lowest reading was 51°.

Rainfall was less than the mean over southern, central, and eastern England, as well as in the Channel Islands and Ireland S., but exceeded the normal amount elsewhere. In Scotland N. and W., and in Ireland N., the excess was very large, the fall in Scotland N. being more than three times as much as the mean.

Bright Sunshine was rather less prevalent than during the preceding week, but again exceeded the mean over the greater part of England. The percentage of the possible duration ranged from 60 in England E., 58 in England S., and 55 in the Channel Islands, to between 16 and 21 over Ireland, and to only 13 in Scotland N.

Barometer and Wind.—Soon after the commencement of the week depressions from the south-westward spread over the United Kingdom, causing the wind to become fresh or strong from between South and South-West. As the week progressed, however, the conditions over our southern districts became anticyclonic, and the winds light from the Westward, but in the extreme North-West and North depressions from the Atlantic continued to follow one another in quick succession, producing a continuance of strong breezes or moderate gales from the Southward and South-Westward.

607 1|90 W. & S. Ltd.
213 10 9|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.
† The corresponding value in last week's report should read "40" instead of "41."

II.—DATA from which the SUMMARY on page 205 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ⚓	59	38	55·3	44·0	49·3	− 2·9	51	0	5	3·14	+2·40	*	*	*	*
	Stornoway	62	41	59·3	47·3	52·9	+ 0·1	76	0	7	2·24	+1·37	19·9	− 6·7	20	− 7
	Wick	70	42	60·3	46·9	53·2	− 0·2	78	0	7	1·84	+1·24	*	*	*	*
	Glencarron ⚓	59	43	57·2	49·0	52·9	0·0	76	0	7	4·56	+3·06	*	*	*	*
	Fort Augustus ⚓	64	42	61·6	51·0	56·0	+ 1·5	98	0	7	2·35	+1·62	10·1	?	11	?
	Fort William ⚓	63	45	60·3	52·1	56·0	+ 0·9	98	0	7	4·10	+2·74	8·3	?	8	?
1. SCOTLAND, E.	Nairn	65	41	62·7	48 6	55·2	0·0	92	0	7	1·04	+0·44	*	*	*	*
	Aberdeen	68	45	62·6	49·7	55·8	+ 0·8	97	0	6	0·93	+0·27	19·6	−12·4	20	−13
	Braemar ⚓	61	40	59·1	48·2	53·3	+ 1·3	79	0	7	1·24	+0·40	18·5†	?†	19†	?†
	Ochtertyre ⚓	67	49	63·9	52·3	57·8	+ 2·6	111	0	6	1·98	+1·18	*	*	*	*
	Leith ⚓	69	46	65·3	52·4	58·5	+ 1·5	116	0	6	0·93	+0·33	*	*	*	*
	Marchmont ⚓	65	43	62·7	51·9	57·0	+ 2·5	105	0	3	0 90	+0·10	25·0	?	26	?
2. ENGLAND, N.E.	Alnwick Castle	67	44	63·4	53·7	58·3	+ 3·3	114	0	6	1·04	+0·33	*	*	*	*
	Durham	69	44	67·0	52·4	59·3	+ 2·9	121	0	3	0·38	−0·23	31·2	+ 0·7	32	+ 1
	Shields	70	44	67·1	53·6	60·0	+ 3·5	126	0	5	1·00	+0·44	*	*	*	*
	Scarborough ℳ												*	*	*	*
	York	71	43	66·0	53·4	59·4	+ 2·0	122	0	5	0·46	−0·14	32·1	+ 1·8	33	+ 3
	Spurn Head	70	49	66·1	54·7	60·1	+ 1·6	127	0	3	0·28	−0·15	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	74	43	69·5	52·0	60·3	+ 2·0	128	0	2	0·19	−0·41	57·2	+22·2	60	+22
	Yarmouth	76	46	69·1	53·9	61·0	+ 1·9	133	0	2	0·26	−0·22	*	*	*	*
	Geldeston	76	43	70·5	52·0	60·7	+ 1·8	131	0	2	0·07	−0·43	55·6	+15·6	58	+16
	Cambridge	75	42	70·9	52·1	60·9	+ 1·5	132	0	2	0·11	−0·39	59·0	+22·6	61	+22
	Rothamsted	72	44	68·5	52 2	60·0	+ 1·8	126	0	3	0·19	−0·39	59·9	?	62	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	73	39	68·6	51·7	59·7	+ 1·6	124	0	4	0·45	−0·05	*	*	*	*
	Loughborough	72	42	69·4	52·7	60·6	+ 1·5	130	0	2	0·21	−0·39	*	*	*	*
	Stamford (Ketton Hall)	73	40	69·4	51 7	60·1	+ 1·3	127	0	2	0·08	−0·52	*	*	*	*
	Cheadle ℳ	68	43	64·7	50·7	57·3	+ 1·4	107	0	4	0·97	−0·14	*	*	*	*
	Solihull	72	43	67·7	51·4	59·1	+ 1·3	120	0	4	0·26	?	*	*	*	*
	Churchstoke ℳ	70	39	65·8	50·4	57·6	+ 1·3	109	0	5	0·51	−0·12	38·1	+ 3·9	40	+ 4
	Hereford ℳ	72	40	69·1	51·1	59·6	+ 1·2	123	0	2	0·06	−0·51	*	*	*	*
	Cirencester	67	44	66·0	51·9	58·5	+ 1·4	116	0	4	0·30	−0·38	51·2	+13·8	53	+15
	Oxford	71	44	68·6	53·4	60·5	+ 1·3	130	0	3	0·28	−0·22	55·8	+17·8	58	+19
5. ENGLAND, S.	London	75	44	71·4	53·0	61·7	+ 1·1	138	0	2	0·16	−0·34	58·3†	+25·3	61†	+26†
	North Foreland	75	52	69·6	54·6	61·7	+ 3·2	138	0	2	0·10	?	*	*	*	*
	Strathfield Turgiss ℳ	74	41	71·4	51·2	60·7	+ 1·3	131	0	3	0·26	−0·24	*	*	*	*
	Dungeness	70	45	67·0	54·9	60·6	− 0·1	130	0	3	0·05	−0·45	*	*	*	*
	Hastings (St. Leonards)	68	50	66·4	56·5	61·2	+ 0·3	134	0	1	0·03	−0·53	55·2	+13·1	58	+14
	Southampton	77	46	71·6	54·2	62·5	+ 2·2	144	0	2	0·21	−0·37	55·1	+12·7	58	+14
	Hurst Castle	68	47	66·7	56·7	61·4	+ 0·7	136	0	2	0 37	−0·21	*	*	*	*
	Stowell ℳ	69	42	66·4	52·0	58·9	+ 1·0	118	0	2	0·42	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	62	48	60·7	52·6	56·5	+ 1·0	102	0	7	3·84	+2·59	*	*	*	*
	Glasgow	64	45	61·7	52·6	56·9	+ 1·7	104	0	6	1·94	+1·07	15·9	−10·9	16	−11
	Ardrossan	62	52	60·4	54·6	57·3	+ 0·4	107	0	6	1·43	+0·62	*	*	*	*
	Glenlee ⚓	66	42	63·4	52·2	57·5	+ 2·8	109	0	6	1·99	+1·01	*	*	*	*
	Douglas (Isle of Man)	65	42	61·9	53·1	57·2	+ 1·4	106	0	5	1·47	+0·64	28·2	− 8·1	29	− 9
7. ENGLAND, N.W.	Stonyhurst	68	45	61·9	52·8	57·1	+ 0·4	106	0	5	2·44	+1·36	28·3	− 3·7	29	− 5
	Blackpool ℳ	70	52	65·6	55·6	60·4	+ 2·7	129	0	5	1·62	+0·82	25·9	− 6·7	27	− 7
	Manchester (Prestwich)	71	43	65·8	52·3	58 7	+ 1·5	117	0	5	1·40	+0·60	27·6	?	28	?
	Liverpool Obsy. (Bidston)	69	50	64·7	55·4	59·8	+ 1·3	125	0	3	0·54	−0·11	*	*	*	*
	Llandudno ℳ	72	52	65·4	56·7	60·8	+ 1·9	132	0	4	0·41	−0·24	32·9	0 0	34	0
	Holyhead	64	49	62·1	54·3	58 0	− 0·2	112	0	3	0·63	−0·04	*	*	*	*
8. ENGLAND, S.W.	Llandovery	69	35	66·0	50·3	57·7	− 0·3	110	0	4	2·09	+1·04	*	*	*	*
	Pembroke	63	53	61·7	57·6	59·5	+ 1·1	123	0	4	1·05	+0·38	27·5	−14·2	29	−14
	Bristol (Montpelier)	71	44	69·1	54·6	61·4	+ 2·2	136	0	4	0·46	−0·29	*	*	*	*
	Arlington (N. Devon)	68	41	64·9	51·6	57·9	− 1·2	111	0	3	1 32	+0·23	*	*	*	*
	Cullompton ℳ	71	39	69·4	51·6	60·9	+ 2·1	126	0	2	0·48	−0·19	41·5	+ 2·9	44	+ 4
	Falmouth	69	49	66·2	54·8	60·2	+ 0·9	127	0	3	0·49	−0·38	50·2	+ 7·0	53	+ 8
	Plymouth	69	47	65·1	53·9	59·2	− 0·9	120	0	3	0·45	−0·21	40 8	− 0·9	43	0
	Prawle Point	64	48	62·9	54·7	58·6	− 0·5	116	0	2	0·36	−0·05	*	*	*	*
9. IRELAND, N.	Malin Head	63	51	61·0	54·3	57 5	+ 1·4	109	0	6	1·39	?	*	*	*	*
	Londonderry	65	45	62·5	52·0	56·9	+ 0·4	104	0	6	1·61	+0·73	*	*	*	*
	Edenfel (Omagh)	67	44	62·3	52·3	57·1	+ 1·5	106	0	6	1·71	+0·91	*	*	*	*
	Belmullet	63	50	61 3	54·9	57·9	− 0·5	111	0	6	2·02	?	*	*	*	*
	Markree Castle	69	40	64·4	51·1	57·4	+ 2·0	108	0	6	1·38	+0·57	14·5	−11·5	15	−11
	Brookeborough	65	41	62·5	51 9	57·0	+ 2·0	105	0	6	1·51	+0·74	*	*	*	*
	Armagh	63	44	62·9	54·2	57·2	+ 1·2	106	0	6	1·24	+0·54	16·1	− 9·9	17	−11
	Donaghadee	66	42	64·6	51·3	57·6	+ 1·6	109	0	5	1 25	+0·52	*	*	*	*
	Edgeworthstown	64	45	62·1	52·0	56·8	+ 1·1	104	0	4	1·73	+0·99	*	*	*	*
10. IRELAND, S.	Dublin	72	46	67·0	54·5	60·4	+ 2·4	129	0	4	0·44	−0·16	32·4	− 2·4	34	− 2
	Parsonstown	69	44	64·9	52·7	58·4	+ 1·6	115	0	4	1·11	+0·24	15·9	−14·9	17	−16
	Kilkenny	70	42	65·3	51·7	58·2	+ 0·8	113	0	3	0·56	−0·24	*	*	*	*
	Roche's Point	66	48	63·4	54 6	58·7	+ 0·2	117	0	3	1·11	+0·16	*	*	*	*
	Valencia	67	46	63·6	54·1	58·6	+ 0·3	116	0	3	0·87	−0·23	12·6	−21·7	13	−52
	Killarney	66	44	64·7	53·2	58·7	+ 1·1	117	0	6	0·88	?	*	*	*	*
	Foynes	69	53	65·1	54·5	59·5	+ 2·3	124	0	4	0·57	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	70	54	67·3	58·7	62·7	+ 2·8	145	0	2	0·30	−0·33	53·6	?	56	?
	Jersey	72	51	69·1	55·0	61·6	− 0·3	137	0	3	0·45	−0 18	*	*	*	*

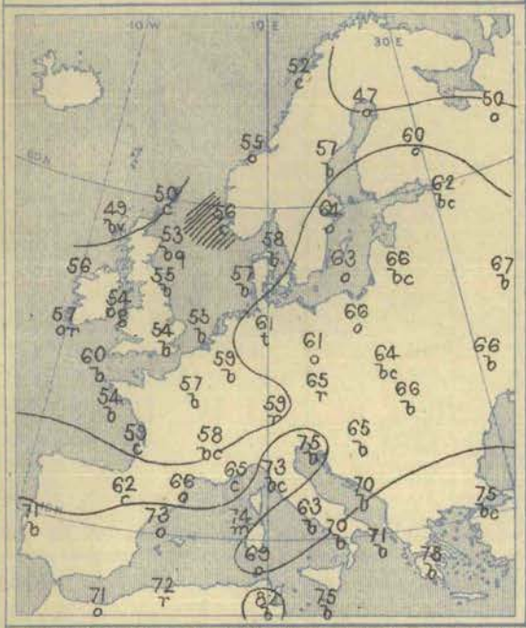
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

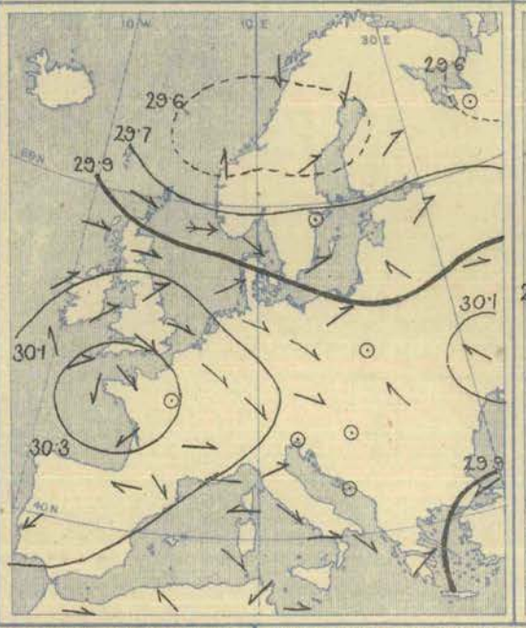
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 25th August.

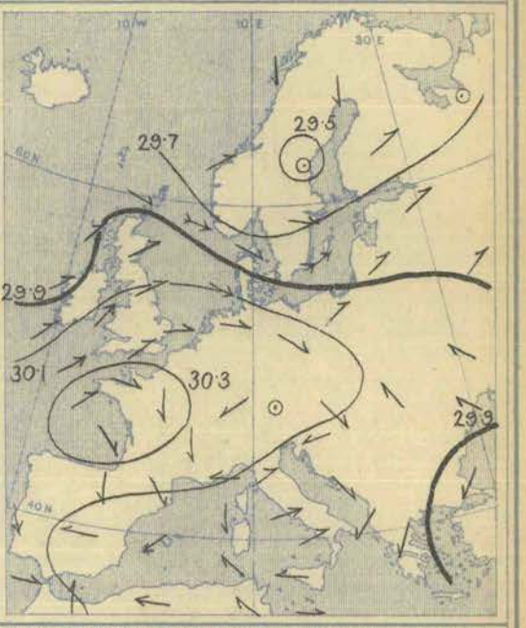
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Great Britain, but cloudy in Ireland, with rain at Parsonstown and Valencia. Dull in many parts of Finland and Scandinavia, with rain at Helsingfors: rainy at several of the German stations and dull in the extreme south of France, but fine in nearly all other parts of the Continent. Rain falling later over north-western Europe generally, heavily in the south of Ireland and the west of Norway. Thunderstorms occurring in Austria-Hungary and in Algeria, as well as at Moscow, with heavy rain in places.

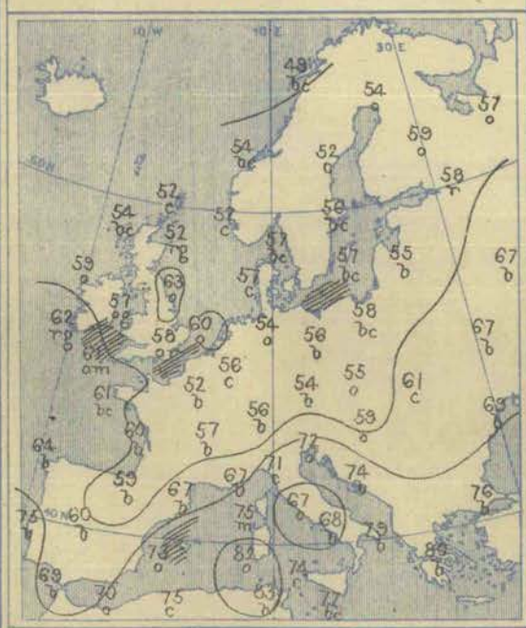
Temperature fallen over western and northern Europe generally. Morning readings highest, 82° at Tunis, 81° at Sfax, 78° at Athens and Patras, and 75° at Trieste and Malta; above 70° at most of the Mediterranean and Adriatic stations, as well as on the coasts of the Spanish Peninsula. Lowest, (1) 45° at York, 49° at Stornoway, and 50° at Sumburgh Head, Wick, and Parsonstown; (2) 47° at Haparanda, 49° at Ulcaborg, and 50° at Archangel. Daily maxima below 60° on our extreme north and north-west coasts, but thermometer rising to between 65° and 69° over the southern parts of England. Exceeding 80° over eastern and southern Europe generally; reaching 86° at Cracow and 88° at Palermo.

Wind light to moderate from the South-Westward over Ireland and the north-west of Great Britain, and from the Westward or North-Westward in other parts of our Islands, as well as in Germany and the Netherlands. Strong from the Westward over Denmark and the south of Scandinavia, with a gale at Skudesnaes; light from South-West in Finland; North-Easterly in the north of Scandinavia. Calm or variable in Austria and the south of Russia; light from West or North-West in Italy; variable in the south of France; North-Easterly over the Spanish Peninsula. Subsequently increasing to a strong breeze from the Southward or South-Westward on many parts of our own western coasts, and to a strong gale from the Westward in the south of Scandinavia.

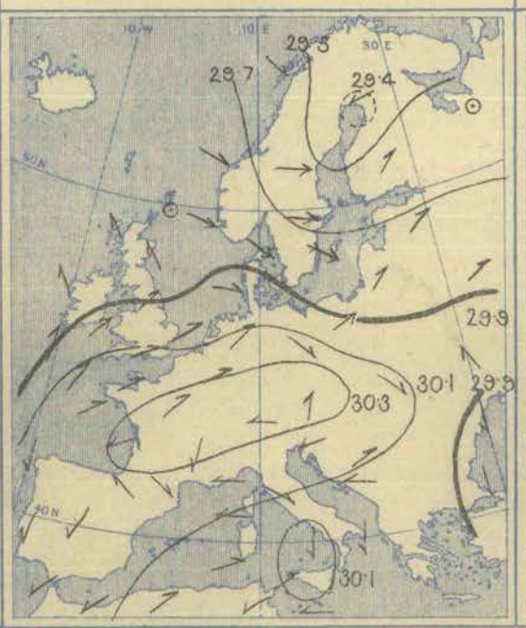
Barometer highest, 30·3 and upwards in an anticyclone over the Channel and the west and north of France; 30·1 ins. and upwards in another system over the south of Russia. Lowest, 29·6 ins. and less in a large and complex depression covering all the more northern parts of Scandinavia. Scandinavian depression subsequently moving slowly eastwards, but new disturbance appearing off our extreme north-west coasts in evening.

Monday, 26th August.

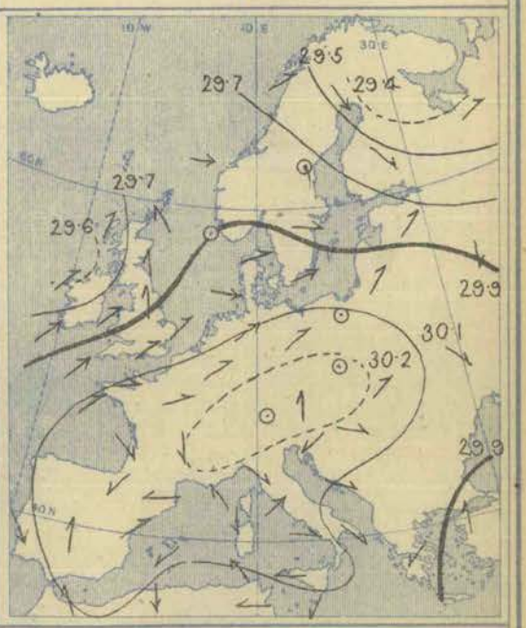
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled in our Islands, with rain in many places. Fine over the greater part of the Continent, but dull in Austria, as well as over the northern parts of Sweden and Russia, with rain at St. Petersburg. Heavy rain falling during day at several of our own western and northern stations, as well as in Denmark and the west of Norway, and isolated parts of Russia. Thunder and lightning occurring at night at Scilly and also at Algiers.

Temperature fallen in most of the northern and central countries, but risen elsewhere. Morning readings highest, 83° at Tunis, 82° at Cagliari and Sfax, and 80° at Athens; above 70° at the Mediterranean and Adriatic stations generally, and slightly above 60° in some parts of England and Ireland. Lowest, (1) 48° at Bodö, 52° at Hernösand and Skudesnaes, and 53° at Ulcaborg; (2) 52° at Sumburgh Head and Aberdeen, and 54° at Stornoway; (3) 50° at Le Mans, and 52° at Paris, Munster and Wiesbaden. Rising during day to between 65° and 69° in many parts of Great Britain, and reaching 72° at Jersey. Exceeding 80° over southern Europe generally, the highest readings of all being 91° at Oporto, and 90° at Gap and Lisbon.

Wind light to fresh from the South-Westward over England, the Netherlands, and the north of France, but Southerly in the west of Ireland, and South-Easterly in the north of Scotland, Westerly over Scandinavia, Denmark, and the Baltic, with a strong gale at Wisby, light from the South-Westward over northern and central Russia. Light from the Eastward or North-Eastward over the greater part of Europe, but Northerly in the south of Italy, and variable in Algeria. No important change occurring during day, but wind freshening considerably from the South-Westward on some of the more exposed parts of our western coasts.

Barometer highest, 30·3 ins. and upwards in an elongated area lying over South Germany and the central parts of France. Lowest, 29·4 ins. and less in a depression lying over the north of Sweden, 29·8 ins. and less in another disturbance lying to the west of our Islands, 29·9 ins. and less in a shallow area over the Black Sea. Depressions subsequently moving north-eastwards, barometer rising in Scandinavia, but falling in nearly all parts of western Europe.

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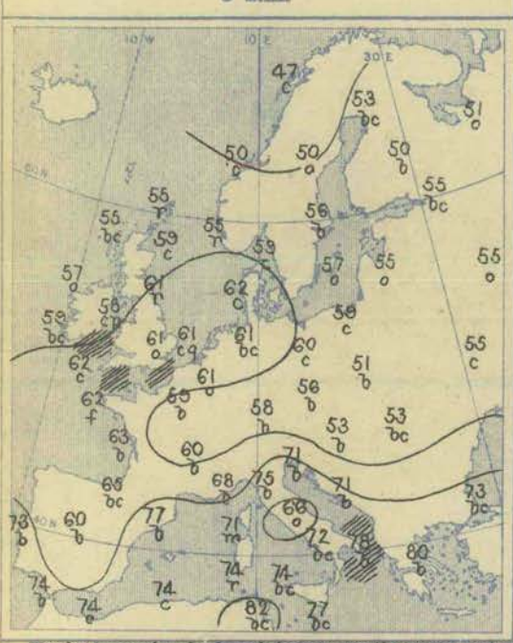
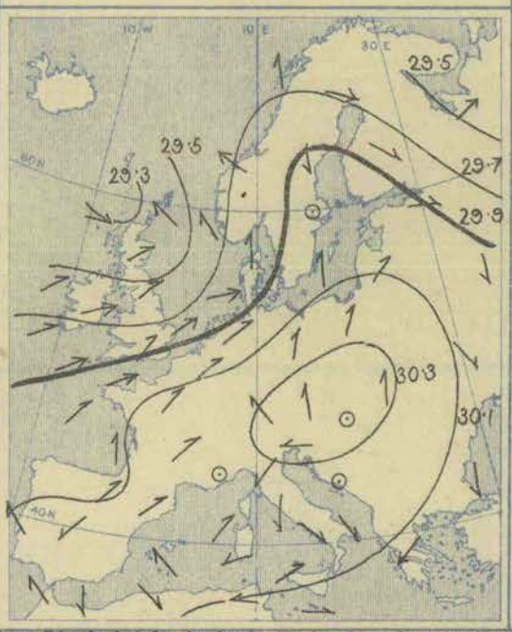
Tuesday, 27th August.

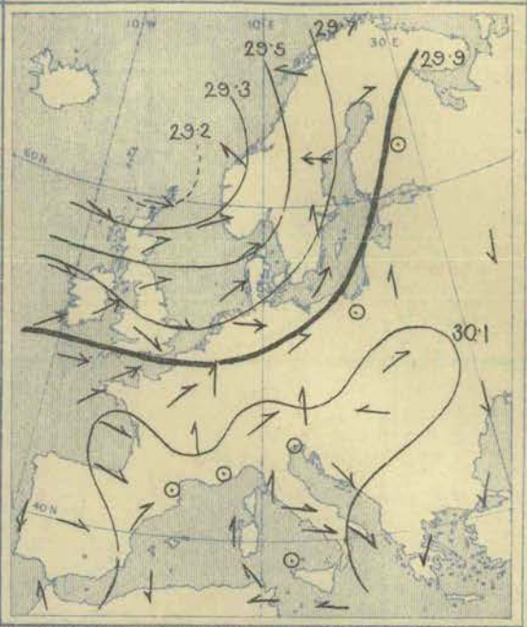
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and showery over the greater part of our Islands, but fine in he west of Scotland and the south of Ireland. Fine over the Continent generally, but cloudy at many of the Scandinavian and Baltic stations, with rain at Skudesnaes and Copenhagen. Showers falling during day in most parts of the United Kingdom, as well as at some of the French and German stations, with thunder and lightning in the east of England. Heavy rain in Denmark and the south of Scandinavia and smaller amounts over northern Russia.

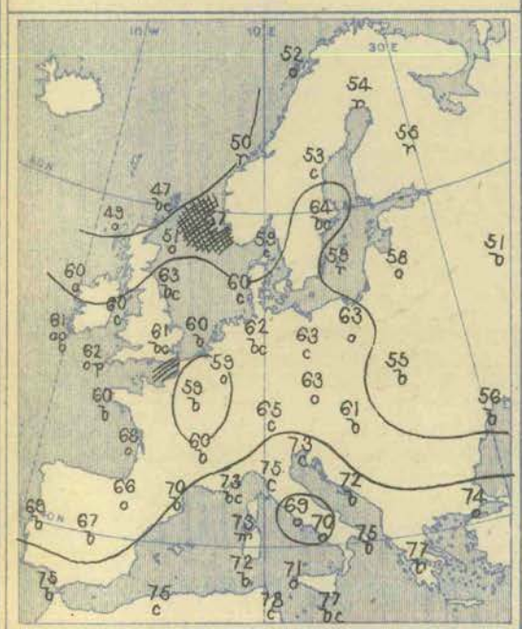
Temperature fallen in Russia and the north of Scandinavia, as well as in most parts of southern Europe, risen elsewhere. Morning readings highest, 82° at Sfax, 80° at Athens, 78° at Brindisi and Tunis, and 77° at Barcelona and Palma; above 70° at most of the Mediterranean and Adriatic stations, as well as on the coasts of Spain. Lowest, (1) 47° at Bodö, 48° at Haparanda, and 50° at Knopio, Hernösand, and Christiansund; (2) 51° at Warsaw, and 53° at Lemberg, Vienna, and Le Mans. Rising during day to between 65° and 70° in most parts of Great Britain, and reaching 72° at Cambridge; exceeding 80° over southern Europe generally, the highest reading of all being 91° at Madrid.

Wind moderate to strong from the South-Westward over the greater part of our Islands, the Netherlands, and the southern parts of the North Sea; fresh or strong from the South-Eastward in the west of Norway. Variable in Sweden, light from the Westward or North-Westward over Russia. Light from the Southward at most of the French and German stations; calm in Austria, light from the Northward or North-Westward in Italy, and from the Eastward over the Spanish Peninsula. Subsequently veering to the Westward in most parts of our Islands, and blowing very strongly on the more exposed parts of our western and southern coasts. Gales from between South and East springing up at some of the Scandinavian stations.

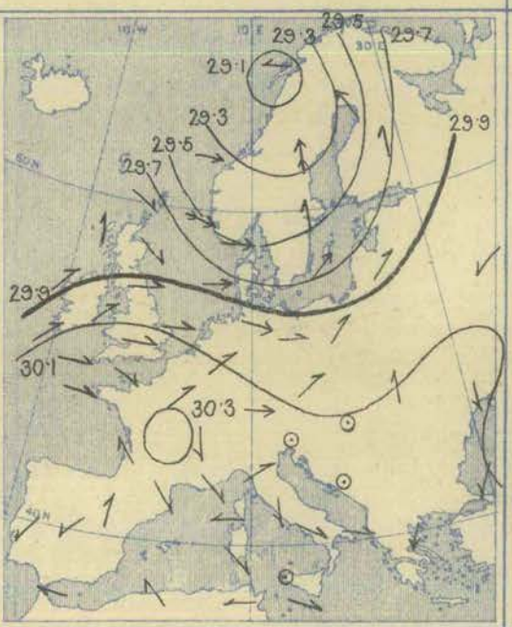
Barometer highest, 30·2 ins. and upwards over Poland, Austria, and South Germany; 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·3 ins. and less in a depression off the North of Scotland, 29·5 ins. and less in another disturbance over the extreme north of Russia. Scotch depression subsequently travelling north-eastwards, and barometer rising in all parts of the United Kingdom.

Wednesday, 28th August.

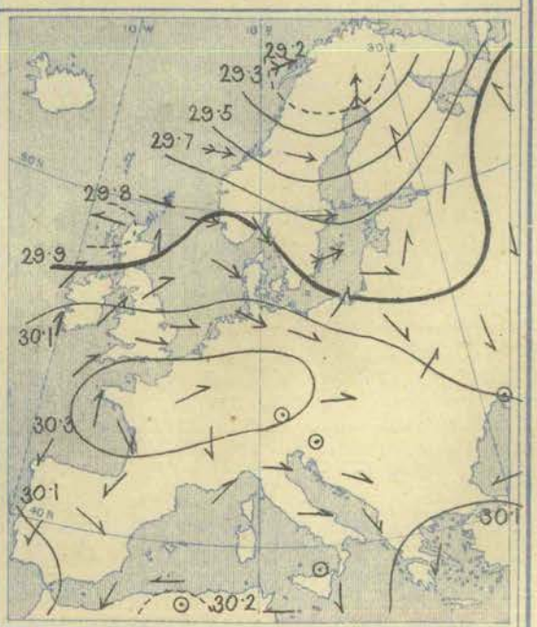
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull on our extreme western and northern coasts, with showers at Ardrossan. Dull also over the northern parts of Scandinavia, and rainy at Haparanda and Christiansund. Rain falling later over nearly the whole of Ireland and Scotland, as well as in Scandinavia and northern Russia, heavily in places.

Temperature fallen in the north of Scotland, as well as over the north of France and the southern parts of Italy; risen in most other localities. Morning readings highest, 80° at Barcelona, 78° at Tunis, and 77° at Athens and Malta; above 70° at the Mediterranean and Adriatic stations generally; slightly above 60° in many parts of England and Ireland. Lowest, (1) 47° at Sumburgh Head, 49° at Stornoway, and 50° at Christiansund, Wick, and Nairn; (2) 51° at Ulealborg and Moscow. Rising during day to 70° and upwards at many of the English stations, and reaching 74° in London, but remaining below 60° in the north of Scotland. Exceeding 80° over southern Europe generally, the highest reading of all being 91° at Madrid and Lisbon.

Wind moderate from the Westward or South-Westward over the greater part of our Islands, but Southerly on our extreme north-west coasts. Light from the North-Westward in the north-east of Scotland, strong from the Westward on the eastern shores of the North Sea, with a gale at Skudesnaes; South-Westerly over the Baltic; Southerly over Sweden and Finland, with a gale at Hernösand; Southerly or Easterly in the north of Scandinavia. Calm in Austria; North-Westerly or Westerly in Italy and the south of France; North-Easterly or Easterly in Spain; variable or Southerly in the west of France. Subsequently shifting to the Eastward in the north of Scotland; veering to the Westward in Sweden.

Barometer highest, 30·2 ins. and upwards over the Bay of Biscay, France, Spain, and Morocco; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of central and southern Europe, with the southern parts of the United Kingdom. Lowest, 29·1 ins. and less in a depression over the north-west of Norway; 29·8 ins. and less in a shallow disturbance off our extreme north-west coasts. Norwegian d-pression subsequently travelling northwards. Disturbance in north-west moving slowly north-eastward along the west of Scotland.

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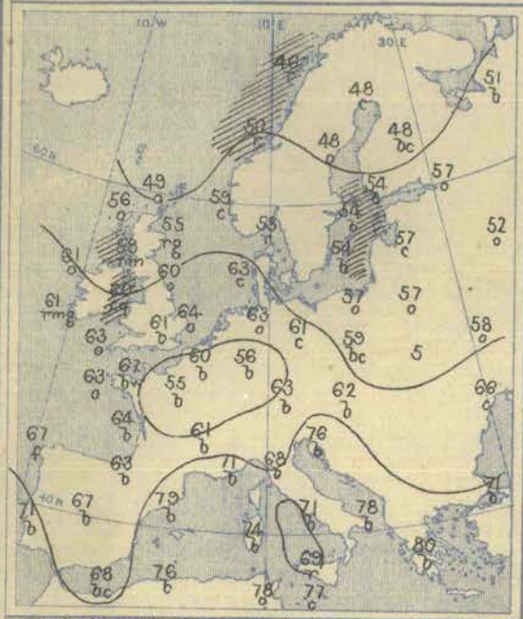
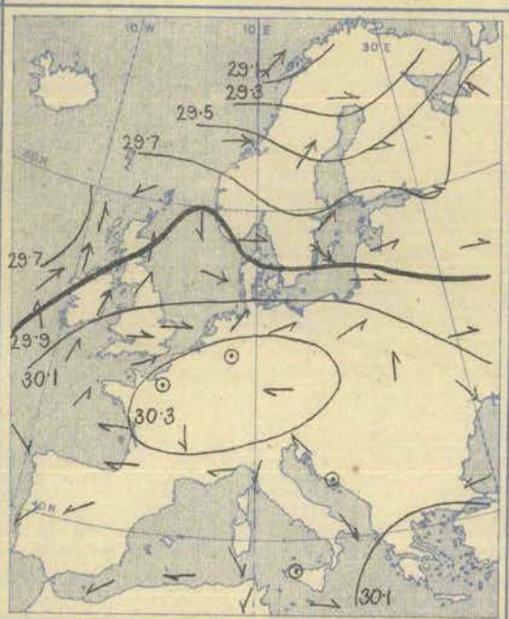
Thursday, 29th August.

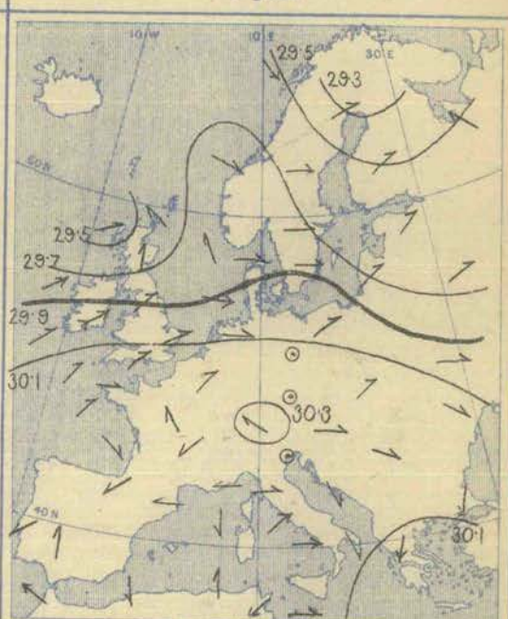
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England, France, and the whole of central and southern Europe, dull and unsettled over Ireland, Scotland, and the northern parts of Scandinavia, with rain in many places, cloudy also over North Germany, with rain at Swinemünde. Rain falling later over Scandinavia, Finland, Denmark, and the western and northern parts of our Islands generally, heavily in the northern parts of Ireland and Scotland, and also in the north-west of Norway. Lightning seen in the north of Scotland at night.

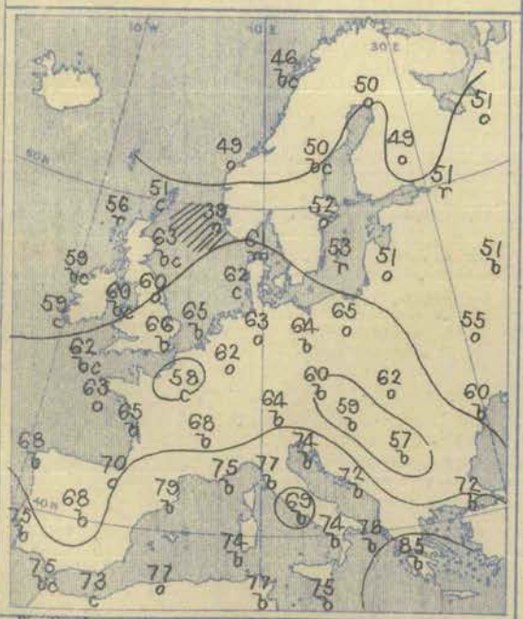
Temperature fallen in the northern and central countries, but risen elsewhere. Morning readings highest, 80° at Patras, 79° at Barcelona, and 78° at Brindisi and Sfax; above 70° at the Mediterranean, Adriatic and Spanish coast stations generally, and above 60° in many parts of England and Ireland. Lowest, (1) 46° at Bodö, 48° at Haparanda, Hernösand and Kuopio, and 49° at Sumburgh Head; (2) 51° at Le Mans, and 55° at Paris and Limoges. Rising during day to between 70° and 75° at most of the English stations, and to 76° at Yarmouth; exceeding 85° in many parts of southern Europe, and reaching 94° at Madrid.

Wind Southerly or South-Westerly over our Islands, the Netherlands, and the north of France, and strong to a moderate gale in force on our extreme north-west coasts. Westerly over Germany, the Baltic, Finland, Denmark, and the south of Norway, but South-Westerly over the northern parts of Scandinavia, with a gale at Bodö. Light from the North-Westward in Italy, but from the Eastward over the greater part of France and Spain. Subsequently increasing to a moderate gale from the South-Westward over the Irish Sea, no important change occurring elsewhere, but wind veering to the Westward at some of the Scandinavian stations.

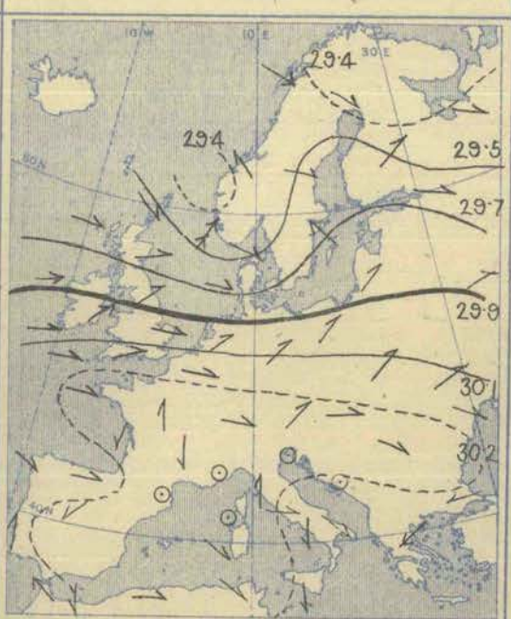
Barometer highest, 30·42 ins. at Munich, 30·2 ins. and upwards in an anticyclone embracing nearly the whole of central and southern Europe, and extending over the southern parts of England. Lowest, 29·1 ins. and less in a depression off the coasts of Finmark (gradients steep over the west of Norway), 29·7 ins. and less in another disturbance approaching our own extreme north-west coasts. Depression is far north subsequently moving eastwards; disturbance off our north-west coasts passing north-eastwards across the north of Scotland.

Friday, 30th August.

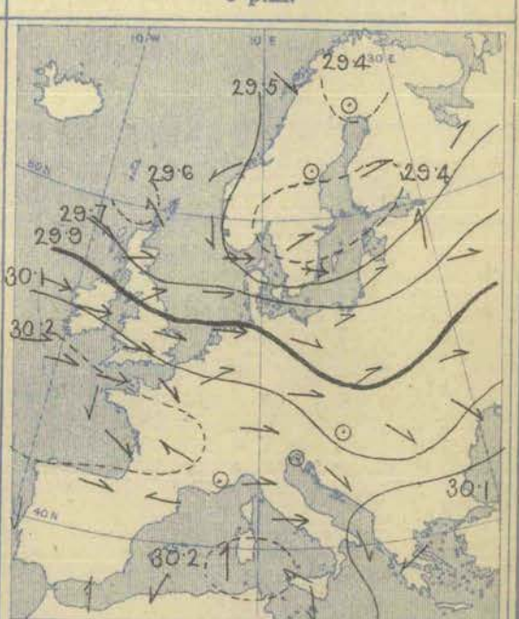
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull and showery on our extreme north-west coasts. Dull also over northern and western Russia, the Baltic, and the south of Scandinavia, with rain in several isolated places. Rain falling during day over the northern parts of our Islands generally, and also in Sweden and Finland; weather remaining fine elsewhere.

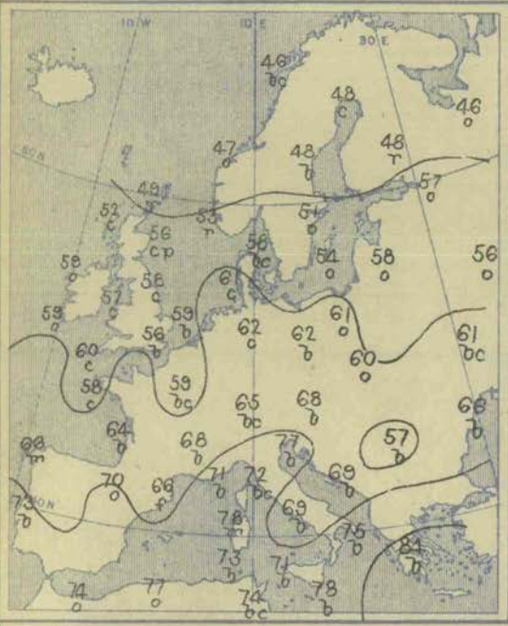
Temperature fallen a little in the west of our Islands, and also in the central and southern parts of Russia, but risen in most other localities. Morning readings highest, 85° at Patras, 79° at Barcelona and Athens, and 78° at Brindisi; above 70° at the Mediterranean, Adriatic, and Spanish coast stations generally, and as high as 65° or more over the south-eastern parts of England. Lowest, 46° at Bodö, 49° at Kuopio and Christiansund, and 50° at Haparanda and Hernösand; below 55° in most parts of Russia and Scandinavia. Rising during day to 70° and upwards at many of the English stations, and to 75° at the North Foreland. Exceeding 80° in many parts of France and Germany, as well as over southern Europe generally, and reaching 91° at Rome and Florence.

Wind Westerly over our Islands, the North Sea, Denmark, the Netherlands, and the north of France, fresh or strong in force on our north-west coasts. South-Westerly in Germany, and Southerly over the Baltic and the south of Scandinavia, with a gale at Skudesnaes; but Westerly over the northern parts of Scandinavia and Russia. Light from the Westward or North-Westward over Italy, variable over the Spanish Peninsula and the southern parts of France. Subsequently shifting to the Northward in the west of Norway; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an anticyclone embracing the greater part of central and southern Europe, with the western parts of the Mediterranean. Lowest, 29·4 ins. and less in two depressions, one lying over Lapland, and the other off the west of Norway. Former disturbance subsequently filling up; Norwegian depression moving eastwards to central Sweden; barometer rising in all parts of western Europe.

Saturday, 31st August.

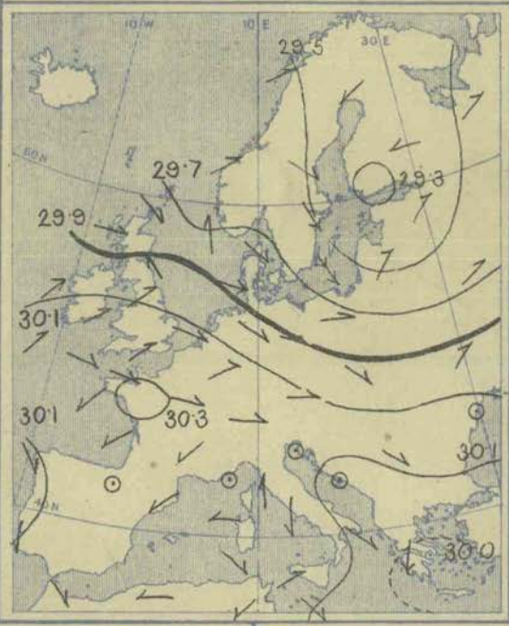
Temperature and Weather. 8 a.m.



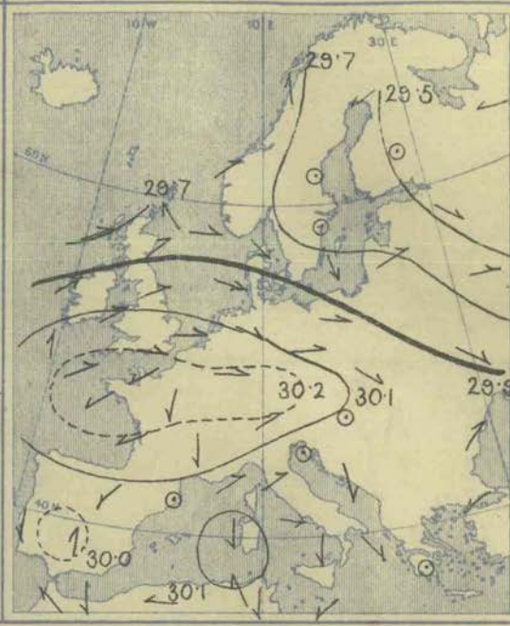
Weather in morning fine over western, central, and southern Europe generally, but dull in the west of Ireland, and showery or rainy in the north of Scotland, dull at most of the Russian stations, and also in the south of Scandinavia, with rain at Kuopio and Skudesnaes. Heavy rain falling during day in the Shetlands and Hebrides, and smaller quantities in the north of Scotland generally, as well as in Norway, Denmark, and Russia.

Temperature risen over Russia, Austria, and south Germany, but fallen in most other countries. Morning readings highest, 84° at Patras, 79° at Athens, 78° at Malta, and 77° at Trieste and Algiers; above 70° at the Mediterranean and Adriatic stations generally. Lowest, 48° at Uleaborg, 46° at Archangel and Bodö, 47° at Christiansund, 48° at Kuopio and Skudesnaes, and 49° at Sumburgh Head. Rising during day to 65° and upwards at most of the English stations, but reaching 70° at Dungeness only. Exceeding 90° over southern Europe generally, and reaching 91° at Toulouse, and 95° at Madrid.

Barometer and Wind. 8 a.m.



6 p.m.



Wind South-Westerly in the west of Ireland, but Westerly in all other parts of our Islands, as well as over the Netherlands, Denmark, Germany, and the north of France, light or moderate in force generally, but strong in the north of Ireland. Southerly or South-Westerly in the west of Norway, but North-Westerly in Sweden, with a strong gale at Wishy; light from the South-Westward in Russia. Calm or variable in Italy and the south of France; Easterly or North-Easterly over the Bay of Biscay, and Northerly on the Portugnese coasts. Subsequently increasing to a strong breeze or moderate gale from the South-Westward on our extreme north-west coasts: no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the southern parts of our Islands, Belgium, South Germany, and the greater part of France. Lowest, 29·3 ins. and less in a well defined depression over Finland; 30·0 ins. and less in a shallow area over Greece. Depression in far north subsequently moving eastwards, but new disturbance approaching the north-west of our Islands in evening; barometer falling at most of our western and northern stations.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 206.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	25·1	?	26	?	EASTBOURNE	57·5	?	61	?
OSWALDKIRK (Yorkshire)	32·5	?	34	?	MANCHESTER (Oldham Road)	20·8*	?	22*	?
WORKSOP	36·7	+ 6·4	38	+ 6	TENBY	25·8*	?	27*	?
THURCASTON (Leicestershire)	44·1	+12·6	46	+13	NEWQUAY		?		?
MARGATE	53·6	?	56	?	TORQUAY	46.4	?	49*	?
WESTBOURNE (Sussex)	50·7*	?	53*	?	ARLEY COTTAGE (County Cavan)	15.5	?	16	?
BRIGHTON	57·6	?	61	?	GUERNSEY	51·7*	?	54*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 36.] *Third Series.* WEEK ENDING SATURDAY, SEPTEMBER 7TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 212.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Averages of Daily Minima.	Averages of Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	38	60·8	49·1	54·7	2 above	80	+16	0	0	1647	+223	811	+262
	1. SCOTLAND, EAST	76	34	65·2	49·2	56·9	3 above	104	+15	0	− 1	1871	+ 22	988	+414
	2. ENGLAND, N.E.	80	46	67·4	52·3	59·5	4 above	123	+28	0	− 1	2106	+163	783	+276
	3. ENGLAND, EAST	85	41	73·7	52·7	62·7	5 above	145	+37	0	0	2386	+116	854	+282
	4. MIDLAND COUNTIES	84	39	72·1	51·2	61·2	4 above	134	+32	0	0	2361	+120	934	+372
	5. ENGLAND, SOUTH	83	38	72·3	54·4	62·9	4 above	146	+29	0	0	2488	+ 47	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	71	37	63·2	50·9	56·7	2 above	103	+15	0	0	1986	+ 93	778	+364
	7. ENGLAND, N.W.	75	44	65·7	53·4	59·3	2 above	121	+22	0	0	2164	+120	725	+303
	8. ENGLAND, S.W.	78	39	68·1	53·9	60·7	3 above	131	+23	0	0	2312	+ 55	654	+337
	9. IRELAND, NORTH	74	40	65·2	51·2	57·9	3 above	111	+17	0	0	2053	+ 31	635	+268
	10. IRELAND, SOUTH	72	42	64·6	51·4	57·7	1 above	110	+ 9	0	0	2233	− 36	479	+195
	—CHANNEL ISLANDS	82	51	70·8	58·8	64·5	4 above	158	+34	0	0	2606	+ 89	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 212.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	2 more	159	− 5	30·2	− 2·1	27	0	28	0	872	+ 9	30	+ 1
	1. SCOTLAND EAST	3	2	5 less	130	− 5	19·8	− 1·0	42	+15	44	+15	1063	+ 82	35	+ 2
	2. ENGLAND, N.E.	4	5	1 less	130	+ 6	19·4	+ 2·2	38	+10	40	+10	1120	+123	34	+ 1
	3. ENGLAND, EAST	2	6	0 (average)	111	−11	16·8	− 0·2	57	+22	62	+23	1348	+152	41	+ 5
	4. MIDLAND COUNTIES	3	4	3 less	106	−14	15·9	− 3·0	41	+ 9	44	+10	1245	+172	37	+ 5
	5. ENGLAND, SOUTH	2	6	0 (average)	100	−16	14·5	− 3·1	58	+21	63	+24	1399	+148	41	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	5	5 less	136	− 6	23·0	−10·0	39	+ 9	41	+10	1114	+ 37	33	+ 1
	7. ENGLAND, N.W.	5	13	5 more	119	−11	20·4	− 1·5	32	+ 3	35	+ 5	1078	+129	36	+ 4
	8. ENGLAND, S.W.	3	4	4 less	108	−25	20·5	− 4·6	40	+ 1	43	+ 2	1458*	+169	43	+ 5
	9. IRELAND, NORTH	3	3	5 less	149	− 5	22·5	− 1·1	38	+14	43	+15	1032	+ 67	31	+ 2
	10. IRELAND, SOUTH	4	6	3 less	126	−15	24·0	− 1·8	37	+ 6	40	+ 6	1120	− 26	34	0
	—CHANNEL ISLANDS	1	less than ½	7 less	122	−18	16·4	− 3·9	58	+20	63	+24	1614	+174	51	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued very fine and dry generally over the greater part of England until the night of the 6th, when severe thunderstorms, accompanied by heavy rain and hail, were experienced over our southern and eastern counties. In most parts of Ireland, Scotland, and the north-west of England, the conditions were again unsettled, frequent rain, alternating with fine, bright intervals.

Temperature exceeded the mean in all districts, the excess being as much as 4° or 5° over eastern, southern, and central England. The highest of the maxima, which were recorded on rather irregular dates, varied from 85° in England E., 84° in the Midland Counties, and 83° in England S., to 72° in Ireland S., and 71° in Scotland N. and W. The lowest of the minima were registered at the beginning of the week over England, but towards its close over Ireland and Scotland; they ranged from 34° to 38° in Scotland, from 40° to 42° in Ireland, and from 38° to 46° over England; in the Channel Islands the lowest reading was 51°.

Rainfall was less than the mean in most districts, but just equalled it in England E. and S., and exceeded it in Scotland N. and England N.W. At all our most southern and south-eastern stations the only rain occurred during the thunderstorm noted above, when large amounts were reported in many places.

Bright Sunshine exceeded the mean in all districts, excepting Scotland N. The percentage of the possible duration ranged from 63 in England S. and the Channel Islands, and 62 in England E. to 49 in England N.E. and over Ireland, 35 in England N.W., and 28 in Scotland N.

Barometer and Wind.—The distribution of pressure continued anticyclonic over all the more southern and eastern parts of the Kingdom, with light winds from between South-East and South-West. In the west and north, however, depressions moving north-eastwards again affected the winds and weather, causing fresh or strong Southerly and South-Westerly winds, and rain to prevail very frequently. The thunderstorms experienced over England during the night of the 6th were produced by some very small and shallow disturbances which were developed over our south-eastern counties and the Channel.

* This value has been altered owing to the receipt of further information for a preceding week.

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213 70 9|95 1896

II.—DATA from which the SUMMARY on page 211 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	61	43	57·4	47·0	52·0	+ 0·4	70	0	6	1·70	+0·95	*	*	*	*
	Stornoway	64	41	60·0	48 6	54·0	+ 2·0	84	0	7	0·93	+0·03	26·4	+ 0·6	28	+ 1
	Wick	70	40	62·9	49·0	55·6	+ 2·9	95	0	5	0·46	-0·14	*	*	*	*
	Glencarron ⚓	68	39	60·9	48·6	54·5	+ 2·4	88	0	5	1·40	-0·12	*	*	*	*
	Fort Augustus ⚓	71	38	62·2	49·9	55·8	+ 2·0	97	0	6	1·14	+0·35	28·6	?	30	?
	Fort William ⚓	67	41	61·3	51·4	56·1	+ 1·7	99	0	7	1·42	-0·01	24·9	?	26	?
1. SCOTLAND, E.	Nairn	73	36	65·6	48 4	56·6	+ 2·1	102	0	2	0·20	-0·39	*	*	*	*
	Aberdeen	71	44	65·0	50·4	57·4	+ 2·9	108	0	4	0·34	-0·33	44·9	+14·9	47	+15
	Braemar ⚓	68	34	61·4	47·3	54·0	+ 3·0	84	0	4	0·14	-0·67	39·3†	?†	41†	?†
	Ochtertyre ⚓	72	40	66·6	49·0	57·4	+ 3·0	108	0	3	0·26	-0·57	*	*	*	*
	Leith	72	46	67·0	51·4	58·8	+ 2·7	118	0	1	0·09	-0·51	*	*	*	*
	Marchmont ⚓	76	43	65·6	48·9	56·9	+ 3·3	104	0	3	0 12	- 0·68	40·3	?	43	?
2. ENGLAND, N.E.	Alnwick Castle	68	47	63·1	51·7	57·1	+ 3·1	106	0	4	0·28	-0·43	*	*	*	*
	Durham	77	46	67·7	51·4	59·2	+ 3·7	120	0	4	0·41	-0·19	36·9	+ 8·8	39	+ 9
	Shields	72	46	65·6	51·4	58·2	+ 2·6	113	0	4	0 44	-0·09	*	*	*	*
	Scarborough ⚓	73	50	68·7	54·8	60·4	+ 4·4	129	0	4	1·15	+0·53	*	*	*	*
	York	80	47	71·0	51·1	60·6	+ 4·2	130	0	4	0·71	+0·09	38·1	+10·1	41	+12
	Spurn Head	74	51	68·1	55·4	61·5	+ 3·7	137	0	3	0·21	- 0·21	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	85	41	74·4	51·4	62·4	+ 5·0	143	0	2	0·74	+0·13	48·7	+16·3	52	+16
	Yarmouth	74	50	69·7	55·9	62·5	+ 4 3	144	0	2	0·32	-0 26	*	*	*	*
	Geldeston	79	45	75 1	52·2	63·1	+ 5·0	148	0	2	0·32	-0·26	59·3	+21·3	64	+23
	Cambridge	81	44	76·0	52·3	63 6	+ 5·1	151	0	2	0 53	+0·01	61·9	+27·5	67	+29
	Rothamsted	77	43	73·3	51 6	61·9	+ 4·5	139	0	1	0·82	+ 0·18	59·5	?	64	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	84	43	75·4	51·3	62·8	+ 5·7	146	0	3	0·62	+0·09	*	*	*	*
	Loughborough	81	48	74·3	53·3	63·3	+ 5·2	149	0	3	0·21	-0·41	*	*	*	*
	Stamford (Ketton Hall)	82	40	74·9	49·9	61·8	+ 4 0	139	0	2	0·60	-0·05	*	*	*	*
	Cheadle ⚓	74	46	67·1	51·6	59·0	+ 4·0	119	0	4	0·38	-0·44	*	*	*	*
	Solihull	76	43	71 5	50·4	60 5	+ 3·5	130	0	3	0·24	?	*	*	*	*
	Churchstoke ⚓	74	47	69·1	51·0	59·6	+ 4·1	123	0	4	0·29	-0·36	34·8	+ 2·7	35	0
	Hereford ⚓	77	41	73·1	50·8	61·4	+ 3·8	136	0	2	0·31	-0·29	*	*	*	*
	Cirencester	72	39	70·7	50·4	60·1	+ 3·7	127	0	1	0·50	-0·20	44·8	+11·4	48	+13
	Oxford	76	43	73·1	52·3	62·2	+ 3·9	141	0	2	0·40	-0·14	46·1	+11·0	50	+12
5. ENGLAND, S.	London	80	46	77·0	54·0	65·0	+ 5·4	161	0	1	0·85	+0·35	57·2†	+26·8†	62†	+29†
	North Foreland	75	51	71·1	57·9	64 2	+ 6·1	155	0	1	0·36	?	*	*	*	*
	Strathfield Turgiss ⚓	78	38	75·9	49 8	62·2	+ 3·8	141	0	3	1·82	+1·29	*	*	*	*
	Dungeness	71	45	68·6	54·9	61·4	+ 1·6	136	0	1	0·52	-0·04	*	*	*	*
	Hastings (St. Leonards)	75	48	70·8	55·4	62·7	+ 2·7	145	0	1	0·72	+0·13	57·2	+17·2	62	+19
	Southampton	83	45	74·9	55·9	64·9	+ 5·3	160	0	2	0·04	-0·55	60·9	+20·5	65	+23
	Hurst Castle	73	50	70·0	54·9	62·1	+ 2·3	141	0	1	0·02	-0·62	*	*	*	*
	Stowell ⚓	73	41	70·0	52·2	60·7	+ 3·7	131	0	4	0·36	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	43	63·6	52·2	57·6	+ 2·8	109	0	5	1·60	+0·22	*	*	*	*
	Glasgow	71	44	65·3	51 5	57·4	+ 3·0	108	0	4	0·12	-0·78	39·1	+14·1	42	+16
	Ardrossan	69	44	63·3	53·3	58·1	+ 2·1	113	0	3	0·07	-0·75	*	*	*	*
	Glenlee ⚓	66	37	62·3	48·0	55·0	+ 1·2	91	0	1	0 27	-0·80	*	*	*	*
	Douglas (Isle of Man)	68	46	62·3	49·3	55·5	+ 0·4	95	0	3	0·35	-0·59	28·3	+ 3·6	41	+ 4
7. ENGLAND, N.W.	Stonyhurst	71	47	64·3	51·8	57·8	+ 1·9	111	0	5	1·37	+0·27	33·4	+ 2·7	36	+ 3
	Blackpool ⚓	73	47	66 3	54·4	60·1‡	+ 3·5‡	127‡	0	5	0·03	-0·24	31·2	+ 0 6	34	+ 1
	Manchester (Prestwich)	75	44	67·2	50·4	58·4	+ 2·0	115	0	5	2·29	+1·43	25·5	?	31	?
	Liverpool Obsy. (Bidston)	72	51	65·3	54·4	60·1	+ 2 5	127	0	5	0·92	+0·24	*	*	*	*
	Llandudno ⚓	71	53	66·6	55·4	60 7	+ 2·6	131	0	4	1·15	+0·47	37·3	+ 6 7	40	+ 9
	Holyhead	67	52	63·6	54·1	58·6	+ 1·9	116	0	5	1·56	+0·87	*	*	*	*
8. ENGLAND, S.W.	Llandovery	78	42	70·3	52·4	61·1	+ 3·9	134	0	4	0·69	-0·39	*	*	*	*
	Pembroke	65	54	62·7	57·4	59·9	+ 2·0	125	0	3	0·47	-0·25	28·6	- 9·4	31	-10
	Bristol (Montpelier)	76	46	72·6	54·1	62 9	+ 4·8	146	0	3	0·59	-0·18	*	*	*	*
	Arlington (N. Devon)	71	42	67·0	51·4	58·3	+ 2·4	118	0	3	0 16	-0·44	*	*	*	*
	Cullompton ⚓	75	39	71·9	49 9	60·4	+ 3·2	129	0	2	0·38	-0·33	38·6	+ 2·6	42	+ 4
	Falmouth	70	49	67·2	55·4	61·0	+ 1·4	133	0	3	0·24	-0·74	42·6	+ 2·6	46	+ 3
	Plymouth	71	45	67·6	54·5	60·7	+ 1 2	131	0	2	0·05	-0·73	46 7	+ 7·9	51	+ 9
	Prawle Point	68	50	65·1	56·1	60·4	+ 1·9	129	0	2	0·06	-0·43	*	*	*	*
9. IRELAND, N.	Malin Head	70	48	63·4	53·3	58 1	+ 3·0	113	0	4	0·28	?	*	*	*	*
	Londonderry	74	46	67·9	52·0	59 6	+ 4·0	123	0	5	0·56	-0·32	*	*	*	*
	Edenfel (Omagh)	70	41	64·3	50·3	57·0	+ 2·3	105	0	2	0·22	-0·58	*	*	*	*
	Belmullet	64	48	62·6	54·1	58·2	+ 0·4	113	0	5	0·51	?	*	*	*	*
	Markree Castle	70	41	66·5	49·1	57·4	+ 2·8	108	0	4	0·39	-0·41	42·2	+18·0	45	+20
	Brookeborough	71	40	66·0	50 2	57·7	+ 3·5	110	0	2	0·11	-0·71	*	*	*	*
	Armagh	71	43	65·2	50·2	57·3	+ 2·2	107	0	3	0·03	-0·69	35·5	+10·2	38	+10
	Donaghadee	69	43	65·9	51·4	58·3	+ 3·0	114	0	4	0·16	-0·59	*	*	*	*
	Edgeworthstown	71	47	65·3	50·6	57·6	+ 2·7	109	0	2	0·08	-0·66	*	*	*	*
10. IRELAND, S.	Dublin	72	51	66·0	53·0	59·2	+ 2·1	120	0	5	0·48	-0·11	35·4	+ 2·6	38	+ 3
	Parsonstown	72	47	66·0	51·0	58·1	+ 2·2	113	0	1	0·17	-0 60	33·6	+ 9·1	42	+10
	Kilkenny	71	44	64·4	51·0	57·4	+ 0·8	108	0	4	0·91	+0·12	*	*	*	*
	Roche's Point	65	48	62·4	53·3	57·6	- 0·2	109	0	4	1·02	+0·04	*	*	*	*
	Valencia	65	42	64·0	50·4	56·9	- 0·9	104	0	5	0·97	-0 13	37·5	+ 5·5	40	+ 6
	Killarney	70	44	64·5	51·0	57·4	+ 0·7	108	0	6	0·37	?	*	*	*	*
	Foynes	71	44	64·8	50·4	57·3	+ 0·8	107	0	2	0·13	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	72	57	66·4	58·7	62·4	+ 2·9	143	0	2	0·02	-0·68	34·4	?	37	?
	Jersey	82	51	75·1	58·9	66·6	+ 5·2	172	0	0	—	-0 68	68·2	+20·2	75	+24

Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

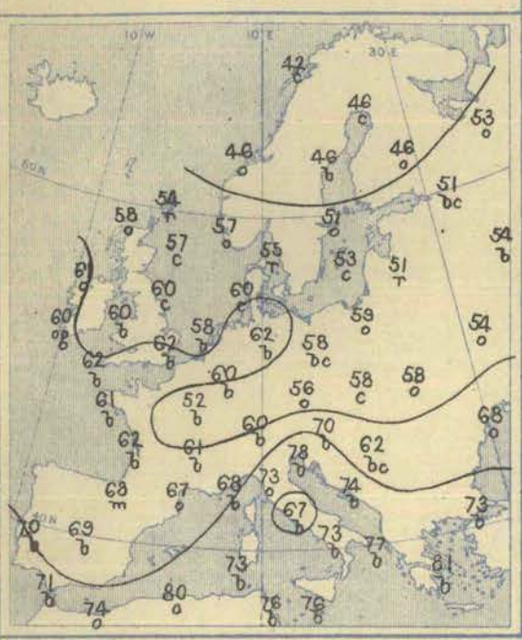
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

‡ Errata.—The corresponding values in last week's report should read "60·3," "+2·6," and "130."

Sunday, 1st September.

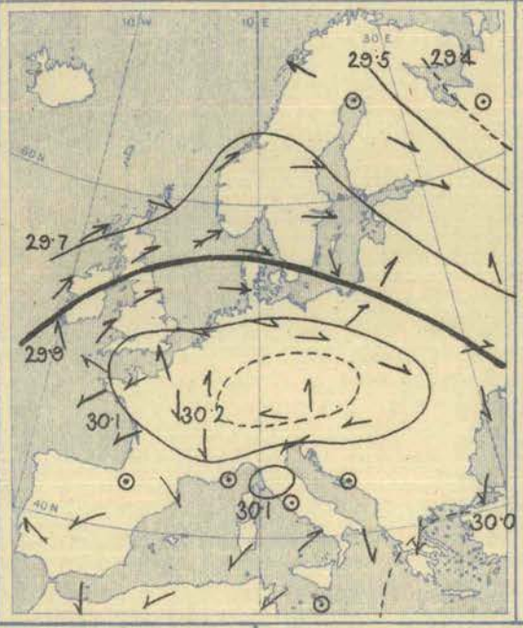
Temperature and Weather.

8 a.m.

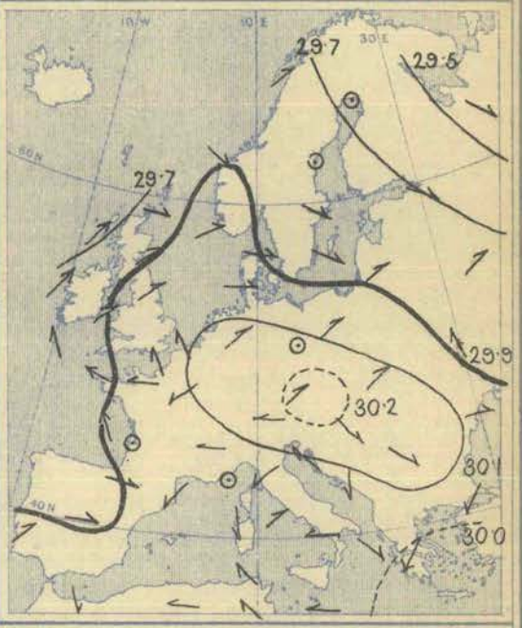


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over England, France, and the whole of central and southern Europe. Cloudy or dull in Ireland and Scotland, as well as over the greater part of Scandinavia, Denmark, and northern Russia, with rain at Sumburgh Head, and also at Faerder, Skagen, and Hangö. Sky clearing later in many parts of Ireland and Scotland, as well as in Sweden. Thunderstorm occurring on the Pic du Midi in afternoon.

Temperature risen over the United Kingdom, the Netherlands, and the north of France, but fallen in most other localities. Morning readings highest, 81° at Barcelona and Athens, 80° at Algiers, 78° at Trieste, and 77° at Brindisi; above 70° over the Mediterranean and Adriatic generally. Lowest, 42° at Bodö, 46° at Haparanda, Hernösand, Christiansund, Kuopio, and Helsingfors; below 55° in most parts of Scandinavia and central and northern Russia. Rising during day to 70° and upwards in Scotland, to 75° and upwards over central England, and to 80° and upwards in France; exceeding 85° in many parts of southern Europe, the highest readings of all being 96° at Madrid, and 95° at Florence.

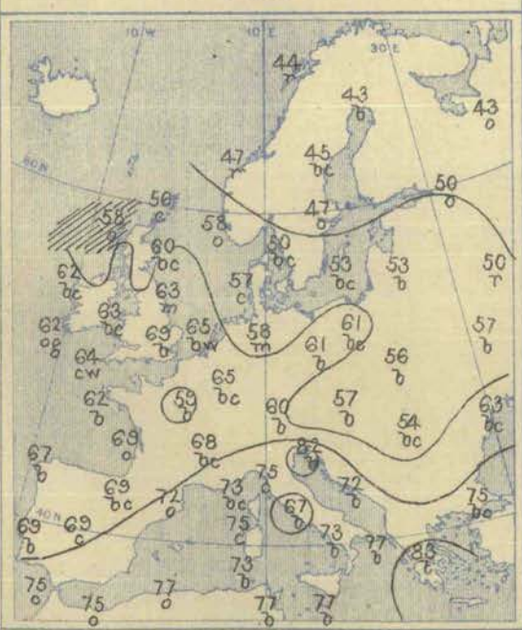
Wind Southerly in Ireland, and strong in force in the north; South-Westerly over the northern and central parts of Great Britain; Westerly over Denmark, North Germany, and the south of Norway, with a gale at Skudesnaes; North-Westerly in Russia and the south of Sweden, with a gale at Wisby. Light to moderate from the Eastward over the English Channel, the Bay of Biscay, and the greater part of the Spanish Peninsula; calm or variable in Italy and the south of France. Subsequently backing to the South-Eastward in many parts of England, but veering to the Westward or South-Westward in Spain and the south-west of France.

Barometer highest, 30·2 ins. and upwards over the southern parts of Germany; 30·0 ins. and upwards in an anticyclone covering the whole of central and southern Europe, and extending northwards over England. Lowest, 29·4 ins. and upwards over northern Russia; 29·7 ins. and less in a shallow depression lying to the northward of our Islands. New disturbance appearing later off the west of Ireland, a small subsidiary system beginning to form over the Bay of Biscay.

Monday, 2nd September.

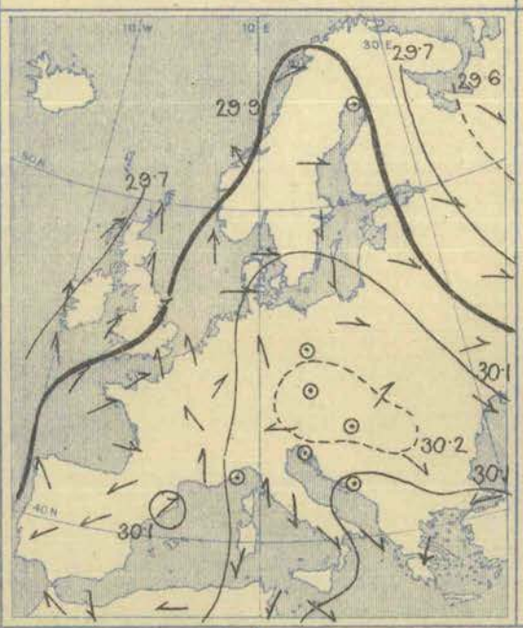
Temperature and Weather.

8 a.m.

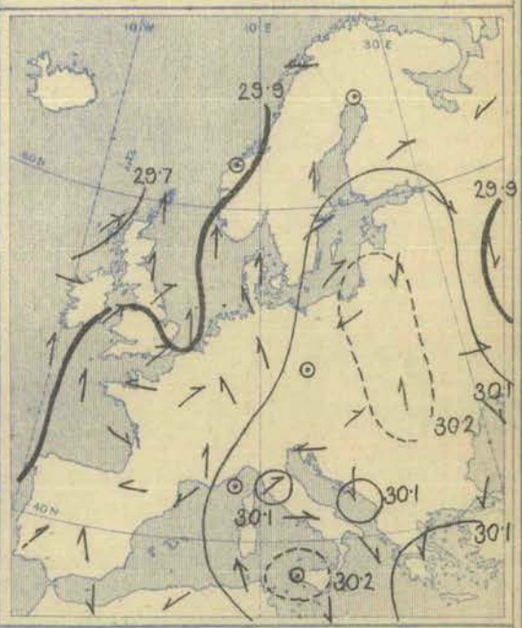


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fine and bright over all the southern and central parts of Europe, as well as over the greater part of the British Islands, dull, with rain in places, both in the extreme west and north-west of our Islands and Norway, as well as over northern and central Russia. Rain later in small quantities in various parts of Ireland and Scotland, and in large quantity in the north-west of Norway. Much cirrus cloud seen over the south of England—movement uncertain. Thunderstorm occurring on the Pic du Midi, and lightning seen at Lyons.

Temperature risen over western Europe. Morning readings highest, 90° to 93° over Greece, 82° at Pesaro and Trieste, and exceeding 70° at nearly all the Mediterranean and Adriatic stations; 69° in London, 63° at Nairn. Lowest, 43° at Archangel and Haparanda, 45° at Hernösand, and 47° at Stockholm and Christiansund; below 55° in most parts of Russia and Scandinavia. Rising later to 80° or 81° in many parts of England, and to 85° or more over France and southern Europe, the highest reading of all being 96° at Madrid.

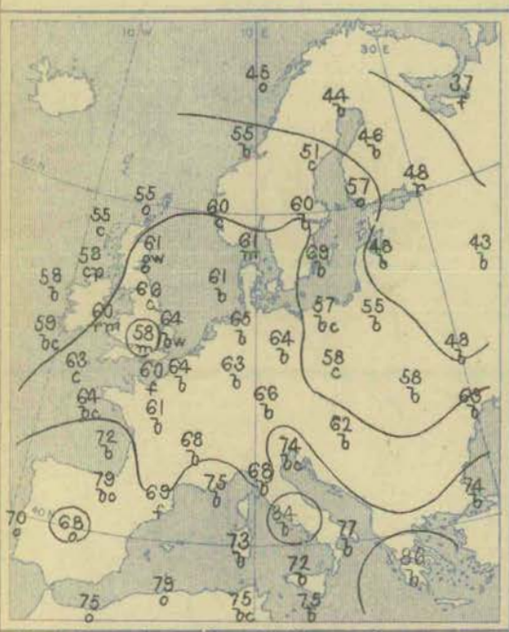
Wind very light and anticyclonic over the greater part of the Continent, but Northerly over the Baltic and Gulf of Bothnia, Westerly over the Bay of Biscay, Southerly over Ireland and Scotland, South-Westerly to South-Easterly over England. Shifting to the Southward and South-Westward over England later, very little change elsewhere.

Barometer highest, 30·2 ins. and more over Austria-Hungary, and exceeding 30·0 ins. over central, western, and some parts of northern Europe. Lowest, below 29·6 ins. over the north-east of Russia, and below 29·7 ins. off our extreme north-west coasts; gradients slight. Changing little and irregularly later; small shallow depression moving north-eastwards across England.

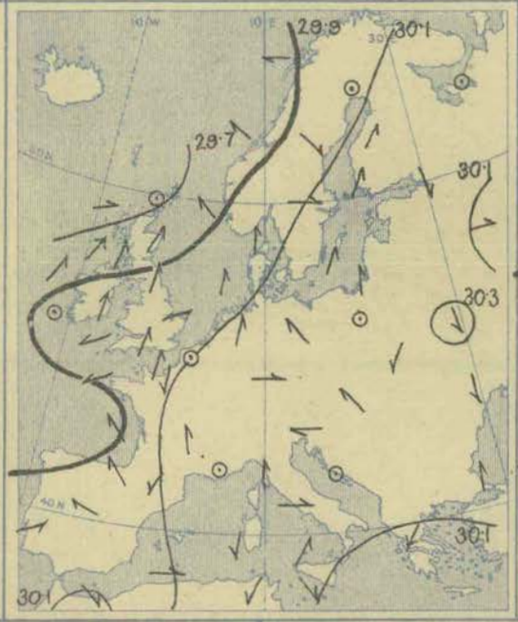
Wyman & Sons, Lt., Lith. 63, Carter Lane

Tuesday, 3rd September.

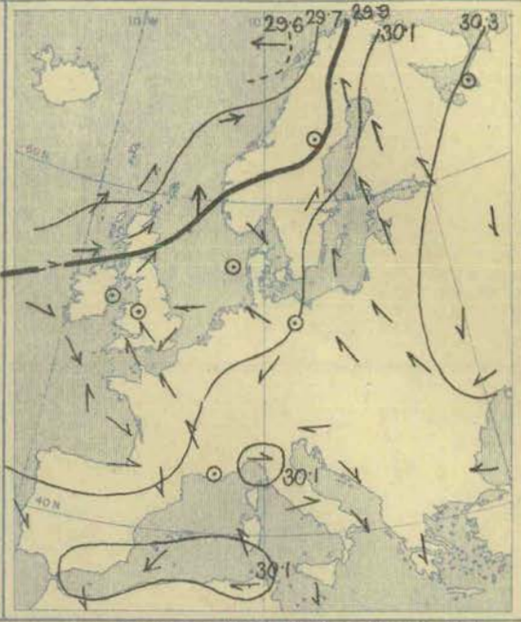
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over almost the whole of the Continent, hazy over the greater part of England, dull and unsettled over the greater part of Ireland and Scotland, with rain in several places. Showers at the Irish and Scotch stations later, thunder all over England, with very slight showers in places; a thunderstorm occurring also at Nemours, and lightning seen at Lyons.

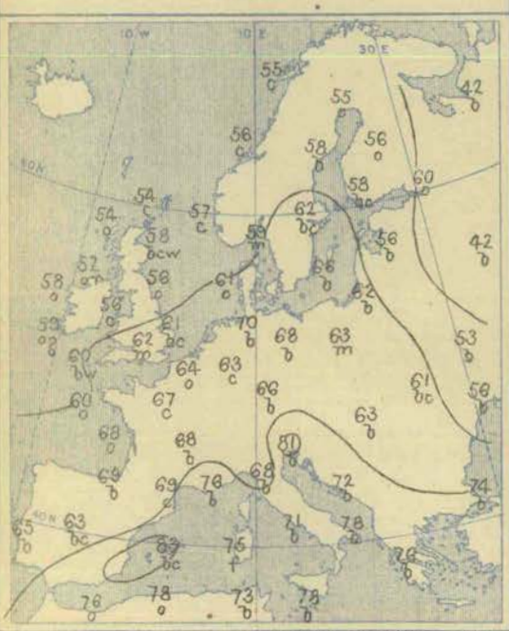
Temperature fallen decidedly (but very temporarily) over the United Kingdom, risen over central Europe and Sweden. Morning readings highest, 86° at Patras, 84° at Rome, 79° at Biarritz, and exceeding 70° over south-western and southern Europe generally. Lowest, (1) 37° at Archangel, 43° at Moscow, 44° to 48° over Lapland and the greater part of Finland and the southern half of Russia; (2) 55° at Christiansund, Sumburgh Head, and Stornoway, 58° at Belmullet and Ardrossan, as well as at Breslau, Cracow, and Lemberg. Rising later to 75° at York, 80° in London, 82° at Jersey, 88° at Berlin; exceeding 90° in many parts of France, and also in some parts of Spain and northern Italy, the highest readings of all being 97° at Le Mans, and 95° at Bordeaux, and 94° at Paris.

Wind (1) South-Westerly and moderate (but cyclonic) over the north of our Islands, South-Easterly to Easterly at the Norwegian stations; (2) South-Westerly (cyclonic) in Portugal, South-Easterly to Easterly over the Bay of Biscay and the English Channel; (3) very variable and light (anticyclonic) over Continental Europe as a whole, but North-Easterly, strong, over Greece. Well marked cyclonic circulation of light winds taking place over England later, and Westerly breezes spreading over France.

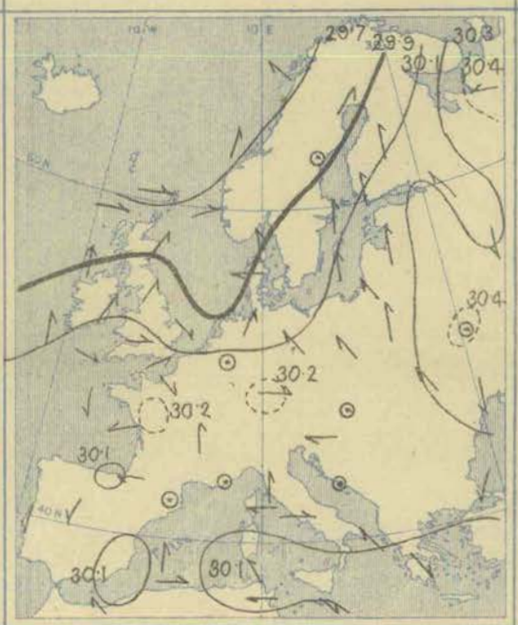
Barometer highest, 30·34 ins. at Kiev, and varying from 30·3 ins. to 30·0 ins. in an immense anticyclone covering nearly the whole of Continental Europe. Lowest, 29·7 ins. and less in a large shallow area lying off our extreme northern coasts, and below 29·9 ins. in a smaller one over the Bay of Biscay. Both systems advancing north-eastwards later, and recovery of pressure ensuing over France, and the western parts of the United Kingdom.

Wednesday, 4th September.

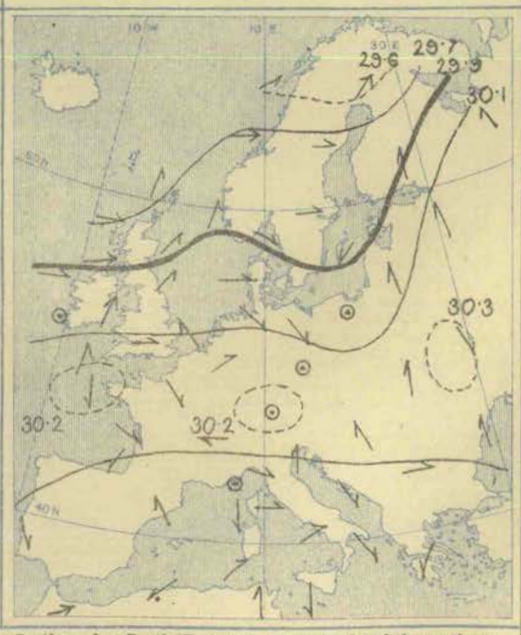
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at some of our extreme southern stations, but cloudy or dull in most other parts of the Kingdom, with rain at Malin Head. Fine over the greater part of the Continent, but dull in Lapland, and also in the south of Norway, with rain at Faerder. Rain falling later in the west and north of our Islands generally, as well as at several of the Scandinavian and northern Russian stations, heavily at Holyhead and Roche's Point. Severe thunderstorm, with heavy rain and hail, experienced at Lisbon at night

Temperature fallen in most parts of our Islands, as well as in Spain and the west of France; risen slightly elsewhere. Morning readings highest, 83° at Palma, 81° at Trieste, and 78° at Brindisi, Malta, Oran, and Algiers; above 70° at the Mediterranean and Adriatic stations generally, above 65° over France, Germany, and the extreme south-east of England. Lowest, 42° at Archangel and Moscow, 46° at Kharkov, and 50° at St. Petersburg and Nicolaieff. Rising during day to between 70° and 75° over the central and south-eastern parts of England; exceeding 85° in many parts of central and southern Europe, the highest readings of all being 97° at Croisette, and 93° at Lyons, Gap, and Cette.

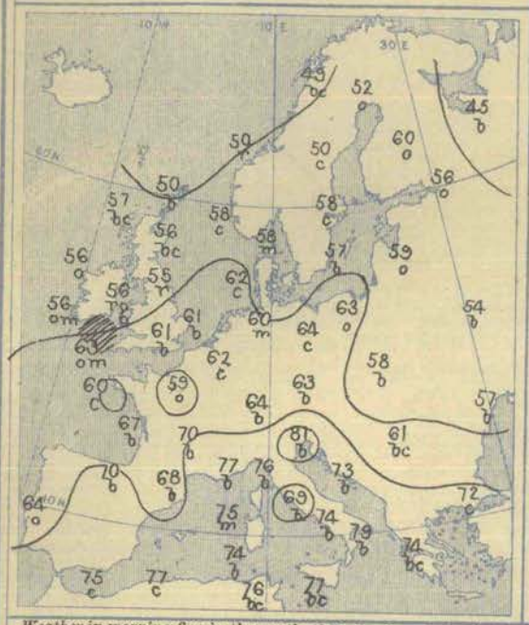
Wind light to moderate from the Southward or South-Westward over Ireland and the northern parts of Great Britain, but Westerly or North-Westerly in the south of England, as well as in the Netherlands and north of France. Light from the Southward or South-Eastward over Germany, the Baltic, Northern Russia, and the greater part of Scandinavia. Calm or variable in Austria and the south of Russia, Northerly or North-Westerly in Italy; Northerly in Spain; Easterly in the west and south of France. Subsequently backing to the South-Westward in the south of England, and increasing to a strong breeze from the same quarter on our north-west coasts.

Barometer highest, 30·43 ins. at Archangel, 30·41 ins. at Kiev, 30·1 ins. and upwards in an anticyclone covering the whole of Russia, and extending westward over central and southern Europe, and the southern parts of England. Lowest, 29·7 ins. and less in a large area lying off the north of our Islands and the west of Norway. No important change occurring during day.

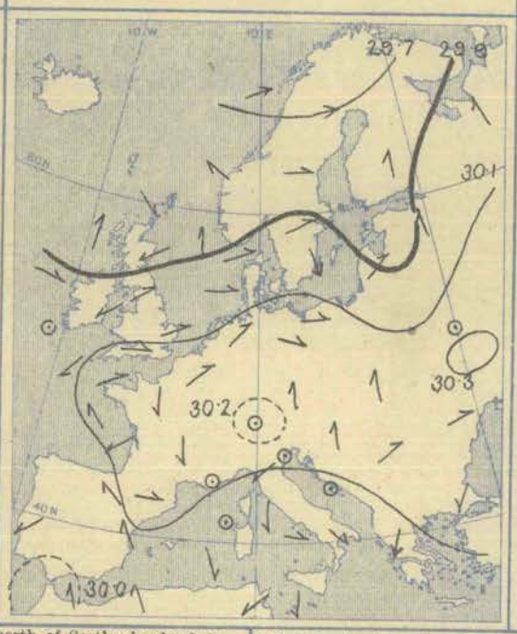
Wyman & Sons, Lt. Lith. 63, Carter Lane.

Thursday, 5th September.

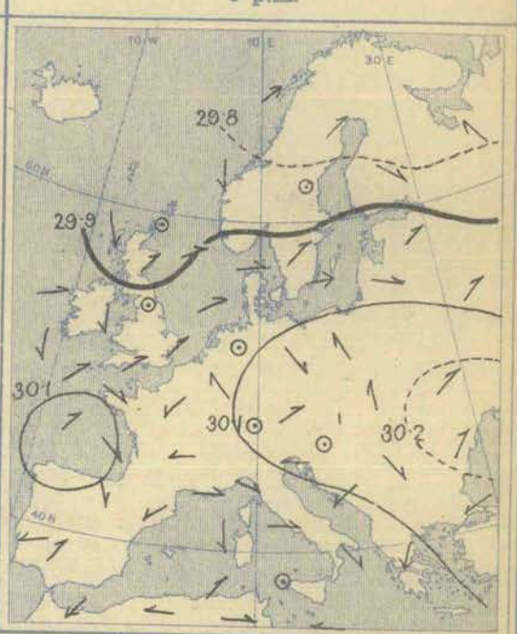
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the south of England, and also in the north of Scotland; cloudy in most other parts of our Islands, with rain over Wales and the north of England. Fine and bright in nearly all the Continental countries, but with fog or mist over the Netherlands, and also over the Gulf of Finland; dull on the southern shores of the Baltic, and rainy at Christiansund. Slight rain falling later at nearly all our own western and northern stations, as well as in Denmark and the west of Norway.

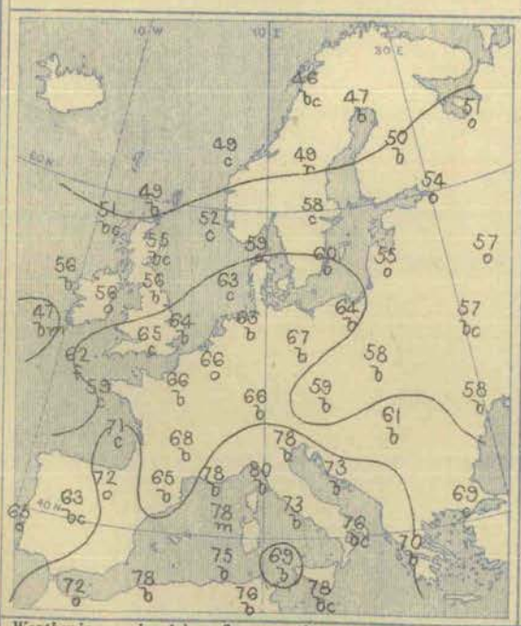
Temperature fallen a little in all but the southern and eastern countries. Morning readings highest, 81° at Trieste, 79° at Barcelona and Brindisi, and 77° at Nice, Malta, and Algiers; above 70° at the Mediterranean and Adriatic stations generally, and above 65° over the central parts of France. Lowest, (1) 45° at Archangel, 49° at Bodö, and 50° at Hernösand, Christiansund, and Sumburgh Head; (2) 49° at Kharkov, and 51° at Nicolaieff. Rising during day to 70° and upwards over the east and south-east of England, to 80° and upwards in Germany, and to 85° and upwards in many parts of France and southern Europe. Reaching 93° at Toulouse and Toulon, and 94° at Bordeaux.

Wind Southerly or South-Westerly over Great Britain and the neighbouring parts of the Continent, but Westerly in the north of Ireland, and variable in the south of that country. Westerly over Denmark, North Germany, and the Baltic, but Southerly over northern Russia. Calm or variable over Germany, Austria, and the south of Russia; light from between West and North in Italy. Easterly or North-Easterly over the Spanish Peninsula and the west of France. Subsequently shifting to the North-Westward on many parts of our own western coasts, and also in the south-west of France; no important change occurring elsewhere.

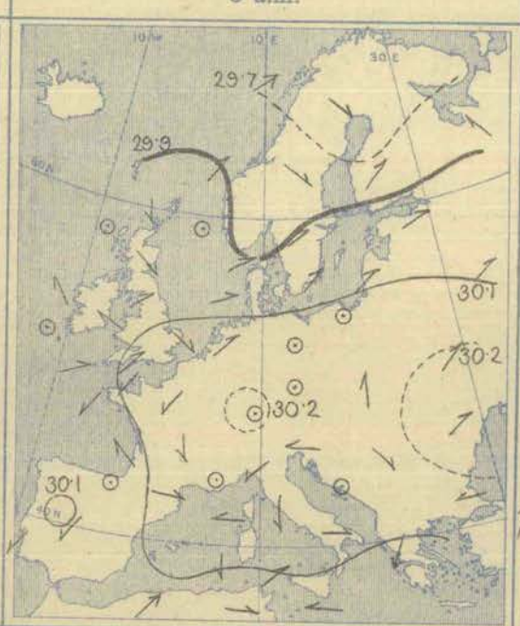
Barometer highest, 30·2 ins. and upwards over the south of Russia; 30·1 ins. and upwards in an anticyclone extending from Russia over all the more central parts of the Continent. Lowest, 29·7 ins. and less over the north of Scandinavia; 29·9 ins. and less in a small and very shallow depression lying off the south of Ireland. Changes in pressure during day very slight and irregular.

Friday, 6th September.

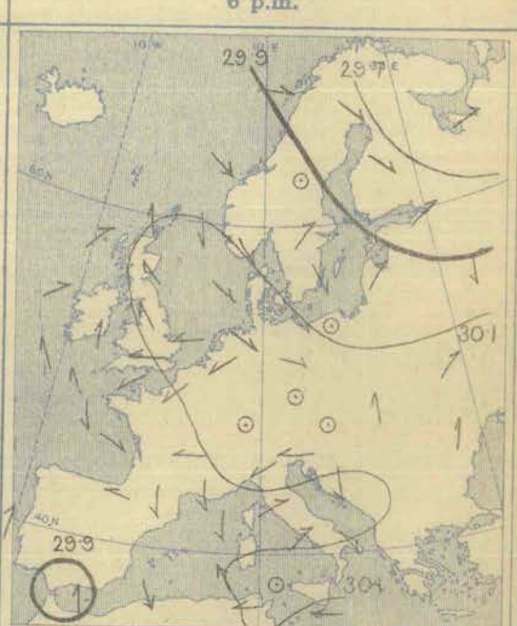
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but cloudy and foggy over the English Channel, and showery at Pembroke. Cloudy also at several of the Scandinavian and Danish stations, with rain at Hernösand. Rain falling later in the west and north of our Islands generally; solar and lunar halos seen in the north of Scotland, and an aurora at Wick. Severe thunderstorms and heavy rain occurring in night or early next morning over the south and east of England, and the extreme north of France, as well as at Magdeburg.

Temperature risen over England, France, and Germany; fallen in Ireland, Scotland, and Scandinavia, changed irregularly elsewhere. Morning readings highest, 81° at Barcelona, and 78° at Nice, Toulon, Trieste, Malta, and Algiers; above 65° in most parts of France and Germany. Lowest, 46° at Bodö, 47° at Haparanda, and 49° at Hernösand, Christiansund, and Sumburgh Head. Rising during day to 75° and upwards in many parts of England, to 80° and upwards in Germany, and to 90° and upwards in many parts of France and Italy, reaching 97° at Toulouse. Succeeding night very warm over England.

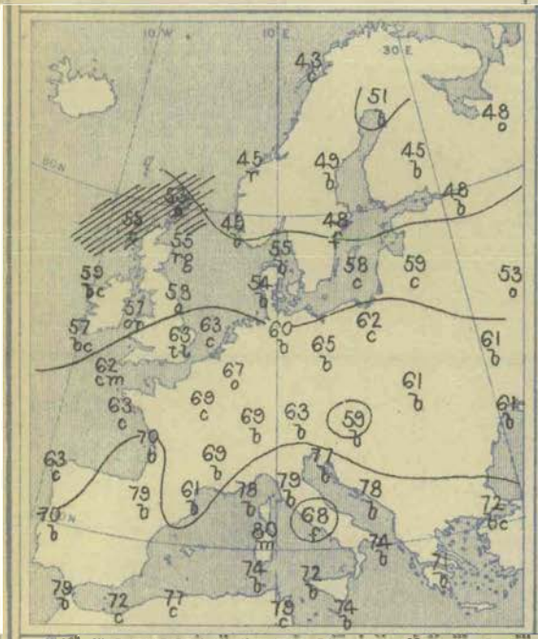
Wind light from the South-Westward in the south of England, and from the Westward or North-Westward on the east coasts of Great Britain, but variable in other parts of our Islands, Easterly or North-Easterly over the northern and central parts of France, calm in the south of France; light from the Northward in Spain; variable in Italy, chiefly South-Westerly or Westerly in Scandinavia, Denmark, and Russia. Calm or variable in Austria and Italy. Subsequently shifting to the Eastward in the south of England, freshening Southerly winds setting in on our extreme north-west coasts. Veering to the North-Westward over northern Europe.

Barometer highest, 30·2 ins. and upwards over the south of Russia; 30·1 ins. and upwards in an anticyclone extending from Russia over nearly the whole of central and southern Europe, with the south-eastern parts of England. Lowest, 29·8 ins. and less over the northern parts of Scandinavia and Finland; 29·9 ins. and less in an area lying to the southward of Spain. Barometer falling later over France and our own western and southern coasts, but rising on eastern shores of the North Sea.

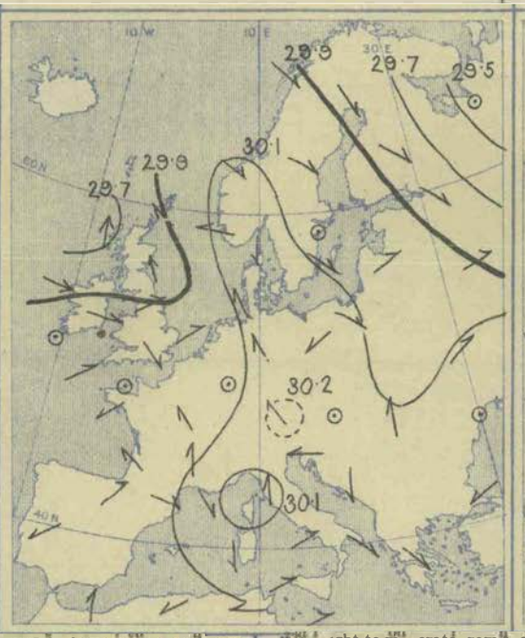
III.—SUMMARY OF WEATHER OVER EUROPE.

Saturday, 7th September.

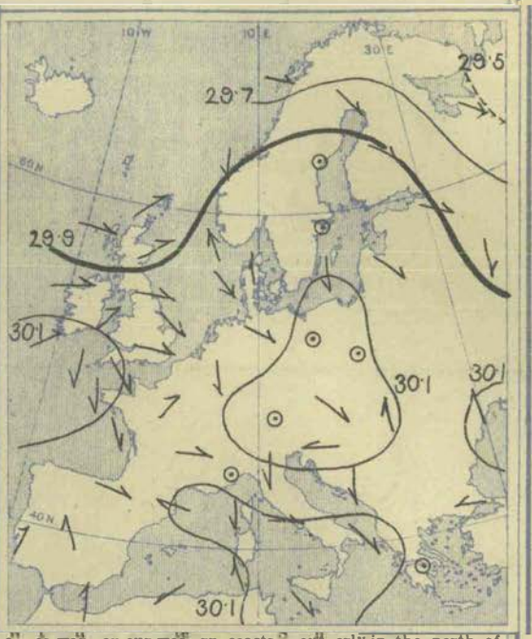
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy in most parts of central and northern stations, and with thunderstorms in the south-east of England, fine at most of the Irish stations, and also over the western parts of the English Channel. Fine and bright over the Continent generally, but cloudy in the west of Norway, with rain at Christiansund. Considerable improvement taking place later over Great Britain, but thunderstorms occurring in Germany, and lightning at Lyons. Heavy rain (1·5 ins.) reported at Lisbon.

Temperature fallen over northern Europe, as well as in the south-east of England, and in Italy, but risen in most other localities. Morning readings highest, 82° at Toulon, 80° at Barcelona and Sanguinaire, and 79° at Biarritz and Leghorn; above 70° at all the Mediterranean and Adriatic stations. Lowest, 43° at Bodö, and 45° at Christiansund and Kuopio; below 50° over the northern parts of Russia and Scandinavia generally. Rising during day to 70° and upwards at several of our own southern and eastern stations, and reaching 79° in London, exceeding 80° in Germany, and exceeding 90° in many parts of France, Spain, and northern Italy, the highest readings of all being 98° at Le Mans, and 96° at Paris.

Wind light to moderate from the eastward on our western coasts, but easterly in the north of our Islands, and strong in force at Wick; South-Easterly on the eastern shores of the North Sea. Light and variable in the south-east of England, as well as over the greater part of central and southern Europe. Light to moderate from the North-Westward over Scandinavia and northern Russia; Westerly or South-Westerly over the southern parts of Russia. Subsequently shifting to the Westward in most parts of Great Britain and also in the west of France; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone covering the greater part of central and southern Europe, and extending northwards over the southern parts of Scandinavia. Lowest, 29·5 ins. and less over northern Russia; 29·7 ins. and less in a depression off the north-west of Scotland; small and exceedingly shallow disturbances lying over the south-east of England and the eastern parts of the Channel. Depression subsequently moving north-eastwards; secondary disturbance over North Sea.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow, l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Over all the more central and southern parts of Europe the weather of this week was under the influence of a large anticyclonic system, the nucleus of which lay at first over Germany and Austria, and afterwards over the south of Russia. The winds in those regions were, therefore, light and rather variable, and the weather exceedingly fine and dry, with unusually high temperatures for the time of year. Over France and northern Italy the thermometer rose on several occasions to 90° and upwards, while in some few cases it exceeded 95°. In Spain and Portugal, however, the weather was comparatively cool, and at Lisbon severe thunderstorms with very heavy rain occurred on the 3rd and 6th.

In the west and north of our Islands and also over northern Europe the conditions were affected by a series of depressions which skirted our extreme northern coasts, and afterwards passed on to the north of Scandinavia. Moderate to fresh breezes from between South and West were, therefore, prevalent, with cool, cloudy weather, and with occasional heavy falls of rain. On the 3rd, when shallow secondary depressions advanced over our Islands from the south-westwards, thunder and lightning occurred over England; while, on the night of the 6th, when similar disturbances were developed over the Channel and the south-east of England, thunderstorms of great severity were experienced over our southern and eastern counties, with heavy rain and hail in many places.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 212.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	43·6	?	46	?	EASTBOURNE	57·6	?	63	?
OSWALDKIRK (Yorkshire)	37·6	?	40	?	MANCHESTER (Oldham Road)	29·9*	?	32*	?
WORKSOP	36·5	+ 8·1	39	+ 8	TENBY		?		?
THURCASTON (Leicestershire)	44 2	+15·3	48	+16	NEWQUAY	37·7	?	41	?
MARGATE	55·0	?	60	?	TORQUAY	43·1*	?	47*	?
WESTBOURNE (Sussex)	62·5*	?	68*	?	ARLEY COTTAGE (County Cavan)	35·5	?	38	?
BRIGHTON	55·9	?	61	?	GUERNSEY	69·8*	?	77*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 37.] *Third Series.*

WEEK ENDING SATURDAY, SEPTEMBER 14TH, 1895.

[*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 218.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	77	42	61·0	50·5	55·5	3 above	95	+28	0	− 1	1742	+251	811	+261
	1. SCOTLAND, EAST	78	40	64·0	49·1	56·2	3 above	99	+17	0	− 1	1970	+ 39	988	+413
	2. ENGLAND, N.E.	77	40	66·1	50·4	57·8	3 above	111	+22	0	− 1	2217	+185	783	+275
	3. ENGLAND, EAST	79	40	68·3	49·8	58·6	2 above	116	+15	0	0	2502	+131	854	+283
	4. MIDLAND COUNTIES	82	37	68·9	49·2	58·6	3 above	116	+20	0	− 1	2477	+140	934	+371
	5. ENGLAND, SOUTH	83	38	69·1	53·4	60·9	3 above	132	+22	0	0	2620	+ 69	755	+333
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	75	45	63·0	52·3	57·4	4 above	108	+25	0	0	2094	+118	778	+364
	7. ENGLAND, N.W.	84	45	65·5	52·9	58·9	3 above	118	+24	0	0	2282	+144	725	+303
	8. ENGLAND, S.W.	87	40	67·6	52·5	59·7	3 above	124	+22	0	0	2436	+ 77	654	+337
	9. IRELAND, NORTH	72	44	62·9	51·8	57·1	3 above	106	+18	0	0	2159	+ 49	635	+268
	10. IRELAND, SOUTH	72	42	64·3	51·2	57·4	2 above	108	+13	0	0	2341	− 23	479	+195
	—CHANNEL ISLANDS	86	46	68·6	57·1	62·6	3 above	144	+24	0	0	2750	+113	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 218.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	0 (average)	164	− 3	31·2	− 2·1	18	− 7	29	− 8	890	+ 2	29	0
	1. SCOTLAND EAST	3	4	4 less	133	− 5	20·2	− 1·2	35	+ 2	39	+ 3	1098	+ 84	35	+ 2
	2. ENGLAND, N.E.	2	2	5 less	132	+ 5	19·6	+ 1·8	43	+18	48	+20	1163	+140	34	+ 4
	3. ENGLAND, EAST	1	1	5 less	112	−12	16·9	− 0·7	52	+20	58	+22	1400	+173	41	+ 5
	4. MIDLAND COUNTIES	2	2	4 less	108	−14	16·1	− 3·5	48	+19	53	+20	1294*	+192	38	+ 6
	5. ENGLAND, SOUTH	2	2	4 less	102	−16	14·7	− 3·5	52	+18	58	+20	1451	+166	42	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	6	4 less	139	− 7	23·6	−10·5	36	+ 8	40	+ 9	1150	+ 44	33	+ 1
	7. ENGLAND, N.W.	2	1	7 less	121	−12	20·5	− 2·3	32	+ 7	35	+ 8	1110	+136	36	+ 4
	8. ENGLAND, S.W.	2	2	7 less	110	−26	20·7	− 5·3	47	+12	53	+14	1505	+181	44	+ 6
	9. IRELAND, NORTH	3	5	3 less	152	− 6	23·0	− 1·4	20	− 2	22	− 3	1052	+ 65	31	+ 2
	10. IRELAND, SOUTH	2	2	7 less	128	−16	24·2	− 2·4	36	+ 6	40	+ 7	1156	− 19	34	0
	—CHANNEL ISLANDS	2	3	5 less	124	−19	16·7	− 4·3	54	+14	60	+16	1668	+188	51	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather as a whole was again fine and dry over the greater part of the Kingdom, although rain was experienced in nearly all places on the 10th or 11th. In the extreme north of Scotland the conditions remained unsettled, and rain fell almost daily. Severe thunderstorms occurred in some parts of Scotland on the 9th.

Temperature again exceeded the mean, the excess ranging from 2° in England E. and Ireland S., to 4° in Scotland W. The highest of the maxima were recorded on the 9th, when the thermometer rose to 87° in England S.W. (at Llandovery), 86° in the Channel Islands, 84° in England N.W., 83° in England S., and to 82° in the Midland Counties. The lowest of the minima, which occurred on the 13th, ranged from 37° in the Midland Counties, and 38° in England S., to 45° in England W. and England N.W., and to 46° in the Channel Islands.

Rainfall just equalled the mean in Scotland N., but was less in all other districts. Over England and in the south of Ireland the fall was very slight.

Bright Sunshine was rather deficient in Ireland N. and Scotland N., but was again very prevalent in all other districts. The percentage of the possible duration ranged from 60 in the Channel Island, and 58 in England S. and E., to 35 in England N.W., 22 in Ireland N., and 20 in Scotland N.

Barometer and Wind.—At the commencement of the period the distribution of pressure was still anticyclonic, with light airs from between south-east and south-west. By the 10th, however, the barometer had fallen decidedly, the anticyclone had moved away eastwards, and a rather deep depression was approaching our Islands from the Atlantic, causing strong Southerly or South-Westerly winds or slight gales on all our western and northern coasts. By the 11th the centre of the system had reached the north of Scotland, and subsequently travelled north eastwards to Scandinavia. As it disappeared from our coasts the barometer rose decidedly, and another anticyclone reached the United Kingdom from the Atlantic, causing the wind to veer to the Westward and North-Westward, and to moderate in force, and finally to become very light and variable.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 217 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	42	57·4	48·4	52·7	+ 1·9	75	0	7	0·72	−0·05	*	*	*	*
	Stornoway	68	44	60·0	50 7	55·1	+ 3·7	92	0	5	0·85	−0·10	18·0	− 7·2	20	− 8
	Wick	68	45	61·6	49·7	55·4	+ 3·5	94	0	6	0·56	−0·04	*	*	*	*
	Glencarron ℌ												*	*	*	*
	Fort Augustus ℌ	77	43	63·8	50·9	57·0	+ 4·2	105	0	3	1·22	+0·37	18·7	?	19	?
	Fort William ℌ	74	50	62·1	52·8	57·2	+ 3·8	106	0	4	1·53	+0·02	19·5	?	22	?
1. SCOTLAND, E.	Nairn	70	47	64·1	50 4	56·9	+ 3·6	104	0	3	0·14	−0·45	*	*	*	*
	Aberdeen	67	45	62·1	50·1	55·8	+ 2·5	97	0	4	0·32	−0·36	30·2	+ 2·4	34	+ 3
	Braemar ℌ	70	44	61·0	47·8	54·1	+ 4·3	85	0	4	0·84	+0·04	33·7†	?†	37†	?†
	Ochtertyre ℌ	75	42	66·1	48·1	56·7	+ 3·3	103	0	2	0·90	+0·06	*	*	*	*
	Leith	71	45	65·9	50·7	57·9	+ 3·0	111	0	2	0·02	−0·56	*	*	*	*
	Marchmont ℌ	78	40	64·7	47·7	55·8	+ 3·2	97	0	0	—	−0·80	39·5	?	44	?
2. ENGLAND, N.E.	Alnwick Castle	69	40	63·0	49·9	56·1	+ 3·2	99	0	2	0·08	−0·62	*	*	*	*
	Durham	74	40	66·4	48·2	56·9	+ 2·7	104	0	2	0·11	−0·47	43·9	+18·3	49	+23
	Shields	75	44	65·9	49·4	57·3	+ 2·6	107	0	2	0·08	−0·47	*	*	*	*
	Scarborough ℳ	76	45	68·8	51·2	59·6	+ 4·4	123	0	2	0·31	−0·33	*	*	*	*
	York	77	41	68·1	49·4	58·3	+ 2·7	114	0	2	0·15	−0·49	*	*	*	*
	Spurn Head	75	50	64·1	54·0	58·8	+ 2·0	118	0	2	0·15	−0·32	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	77	40	69·2	47·6	57·9	+ 1·9	111	0	0	—	−0·63	54·0	+24·2	60	+26
	Yarmouth	72	49	65·3	53·7	59·2	+ 2·2	120	0	2	0·21	−0·46	*	*	*	*
	Geldeston	74	42	68·6	48·7	58·2	+ 1·2	113	0	1	0·12	−0·48	53·3	+17·5	60	+20
	Cambridge	79	40	70·7	49·9	59·8	+ 2·5	125	0	1	0 05	−0·48	51·4	+19·2	58	+21
	Rothamsted	76	40	67·5	49 0	57·8	+ 1·9	111	0	2	0·07	−0·55	49·1	?	55	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	81	39	68·9	48·1	58·0	+ 2·2	112	0	1	0·14	−0·43	*	*	*	*
	Loughborough	82	38	70·7	48·0	58·8	+ 2·1	118	0	2	0·23	−0·40	*	*	*	*
	Stamford (Ketton Hall)	80	37	70·9	46·7	58·2	+ 2·0	113	0	1	0·09	−0·60	*	*	*	*
	Cheadle ℳ	78	45	65·2	49·9	57·2	+ 3·1	106	0	2	0·29	−0·51	*	*	*	*
	Solihull	80	44	68·8	50·4	59·2	+ 2·4	120	0	2	0·54	?	*	*	*	*
	Churchstoke ℳ	80	39	67·6	49·6	58·2	+ 3·9	113	0	2	0·31	−0·36	43·1	+13·1	48	+14
	Hereford ℳ	81	42	69·5	49·9	59·2	+ 2·9	120	0	2	0·21	−0·42	*	*	*	*
	Cirencester	80	43	68·6	48·9	58·3	+ 3·1	114	0	1	0·21	−0·51	51·0	+21·8	57	+24
	Oxford	80	41	69·4	51·7	60·1	+ 3·2	127	0	1	0·02	−0·58	50·6‡	+18·4‡	57‡	+20‡
5. ENGLAND, S.	London	83	43	70·6	52·4	61·1	+ 2·7	134	0	1	0·08	−0·44	41·0†	+13·5†	46†	+15†
	North Foreland	73	51	65·7	56·3	60 8	+ 3·2	132	0	2	0·32	?	*	*	*	*
	Strathfield Turgiss ℳ	81	38	71·0	48·5	59·2	+ 2·3	120	0	2	0·06	−0·52	*	*	*	*
	Dungeness	70	44	67·1	54·7	60·6	+ 2·0	130	0	1	0·31	−0·29	*	*	*	*
	Hastings (St. Leonards)	78	49	69·1	54·7	61·6	+ 2·6	137	0	1	0·27	−0·35	57·1	+19·3	64	+22
	Southampton	81	45	72·4	52·8	62·1	+ 3·7	141	0	2	0·13	−0·55	56·6	+20·5	64	+24
	Hurst Castle	75	50	68·7	56·7	62·4	+ 3·6	143	0	2	0·12	−0·57	*	*	*	*
	Stowell ℳ	79	42	67·9	51·4	59·3	+ 3·6	121	0	2	0·16	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	74	51	64·1	53·9	58·8	+ 5·0	118	0	5	1·57	+0·06	*	*	*	*
	Glasgow	75	47	62·7	51·7	56·9	+ 3·6	104	0	3	0·53	−0·38	34·8	+11·6	39	+14
	Ardrossan	70	51	61·4	54·4	57·7	+ 2·8	110	0	3	0·16	−0·68	*	*	*	*
	Glenlee ℌ	74	45	64·3	50·3	57·0	+ 4·2	105	0	3	0·70	−0·46	*	*	*	*
	Douglas (Isle of Man)	79	45	62·4	51·4	56·6	+ 2·0	102	0	3	0·16	−0·72	26·5	+ 4·0	41	+ 5
7. ENGLAND, N.W.	Stonyhurst	76	45	65·1	50·4	57·4	+ 2·7	108	0	4	0·35	−0·79	35·3	+ 6·5	39	+ 7
	Blackpool ℳ	78	51	66·4	55·1	60·5	+ 5·2	130	0	2	0·04	−0·85	29·4	+ 0·9	33	+ 1
	Manchester (Prestwich)	78	45	65·2	50·2	57·3	+ 2·1	107	0	3	0·23	−0·67	28·0	?	31	?
	Liverpool Obsy. (Bidston)	79	51	65·9	55·0	60·2	+ 3·6	127	0	1	0·02	−0·71	*	*	*	*
	Llandudno ℳ	84	49	66·7	54·0	60·1	+ 3·0	127	0	1	0·05	−0·65	40·3	+13·3	45	+15
	Holyhead	74	48	63·7	52·7	57 9	+ 1·1	111	0	1	0·03	−0·69	*	*	*	*
8. ENGLAND, S.W.	Llandovery	87	40	71·4	48·1	59·2	+ 3·1	120	0	2	0·36	−0·74	*	*	*	*
	Pembroke	65	50	61·7	53·9	57·6	+ 0·6	109	0	0	—	−0·80	38·9	+ 4·3	44	+ 5
	Bristol (Montpelier)	83	44	71·8	52·6	61·7	+ 5·0	138	0	2	0·31	−0·49	*	*	*	*
	Arlington (N. Devon)	79	44	66·6	51·3	58·6	+ 3·0	116	0	4	0·68	−0·42	*	*	*	*
	Cullompton ℳ	79	44	70·4	53 3	61·4	+ 5·4	136	0	2	0·18	−0·69	48·2	+15·6	54	+17
	Falmouth	69	48	64·8	53·7	59·0	+ 1·4	119	0	1	0·03	−1·05	45·2	+ 9·7	51	+11
	Plymouth	77	45	67·4	52·8	59·8	+ 1·7	125	0	2	0·08	−0·80	53 9	+18·1	61	+20
	Prawle Point	73	49	66·6	53·9	60·0	+ 2·4	128	0	1	0·10	−0·45	*	*	*	*
9. IRELAND, N.	Malin Head	68	52	61·6	54·1	57 7	+ 3 7	110	0	3	0·37	?	*	*	*	*
	Londonderry	72	48	64·2	51·7	57·7	+ 3·1	110	0	3	0·78	−0·11	*	*	*	*
	Edenfel (Omagh)	67	45	61·3	50·3	55·5	+ 1·9	95	0	3	0·33	−0·49	*	*	*	*
	Belmullet	65	52	62 4	53·9	58·0	+ 0·9	112	0	4	1·03	?	*	*	*	*
	Markree Castle	71	44	64·0	50·5	56·9	+ 3·3	104	0	4	0·59	−0·18	18·9	− 3·5	21	− 4
	Brookeborough	67	46	62·2	51·3	56·5	+ 3·7	102	0	3	0·58	−0·30	*	*	*	*
	Armagh	68	47	63·8	50·1	56·6	+ 2·6	102	0	3	0·58	−0·17	24·3	− 0·2	27	− 1
	Donaghadee	66	49	63·7	52·7	57·9	+ 3·3	111	0	3	0 07	−0·65	*	*	*	*
	Edgeworthstown												*	*	*	*
10. IRELAND, S.	Dublin	72	48	65·0	52·5	58·5	+ 2·5	116	0	2	0·06	−0·51	36·6	+ 5·8	41	+ 7
	Parsonstown	70	45	64·6	50 1	57·0	+ 2·4	105	0	2	0·16	−0·60	38·8	+10·8	43	+12
	Kilkenny	67	42	64·0	49·9	56·3	+ 0·9	102	0	3	0·33	−0·42	*	*	*	*
	Roche's Point	65	46	63·6	52·0	57·5	+ 0·7	109	0	1	0·02	−0·95	*	*	*	*
	Valencia	68	45	64·0	52·4	57·9	+ 1·1	111	0	2	0·14	−0·94	32·4	+ 2·8	36	+ 3
	Killarney												*	*	*	*
	Foynes	72	43	64·3	50·5	57·1	+ 1·6	106	0	3	0·17	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	68	46	65·1	55·7	60·2	+ 1·6	127	0	1	0·14	−0·63	45·6	?	51	?
	Jersey	86	46	72·0	58·4	64·9	+ 4·4	160	0	2	0·40	−0·29	57·0	+14·0	64	+16

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

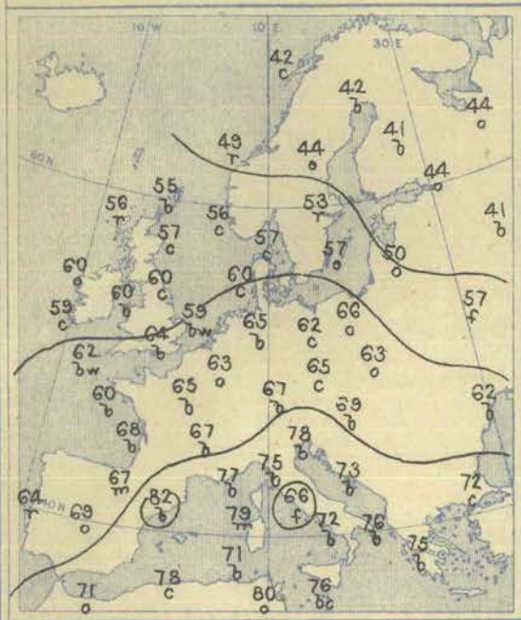
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

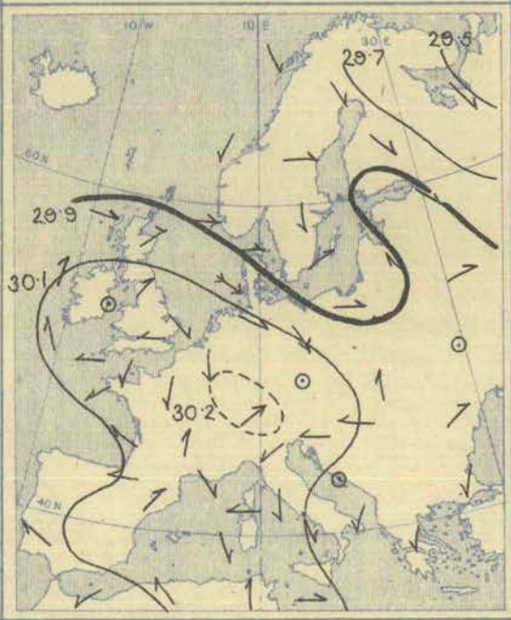
‡ Errata.—The corresponding values in last week's report should read "51·2," "+161," "55," and "+17."

Sunday, 8th September.

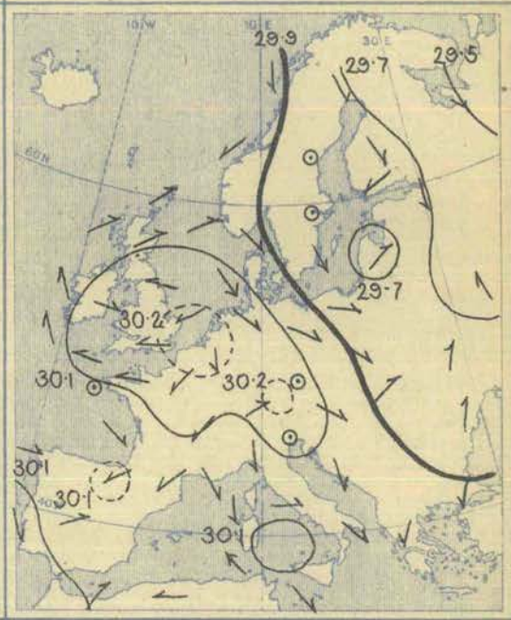
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull on our extreme north-western and northern coasts, as well as in Scandinavia, with rain at Stornoway and Christiansund, dull also in Spain and Portugal, with rain at Lisbon. Rain falling later in the north of Scotland, as well as in many parts of Scandinavia and central Russia. Thunderstorms occurring at Carlstadt and Vienna, thunder only at Belfort, and on the Pic du Midi, and lightning at Wisby.

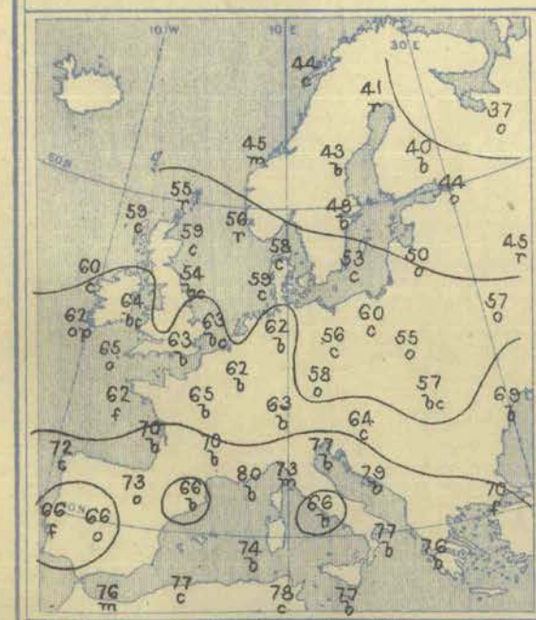
Temperature fallen generally, but risen in Denmark, Germany, and the south of Scandinavia. Morning readings highest, 82° at Barcelona, 81° at Toulon, 80° at Sfax, 79° at Sanguinaire, and 78° at Trieste and Algiers; above 70° at the Mediterranean and Adriatic stations generally, and above 65° over France and the Channel Islands. Lowest, 41° at Kuopio and Moscow, and 42° at Bodö, Haparanda, and Helsingfors; below 50° in many parts of Russia and Scandinavia. Rising during day to 75° and upwards at several of the English stations, and to 81° at Jersey. Reaching 90° and upwards in many parts of France, Spain, and northern Italy, the highest readings of all being 100° at Bilbao, and 97° at Cette.

Wind light from the Eastward or North-Eastward over the south of England, the north and west of France, and the greater part of Spain; Southerly to Westerly on our northern coasts. Moderate to strong from the Westward or North-Westward over Denmark, north Germany, and the south of Scandinavia. Variable over Russia, Austria, Italy, and the south of France. Subsequently shifting to the Westward or North-Westward over the Spanish Peninsula; no important change occurring elsewhere.

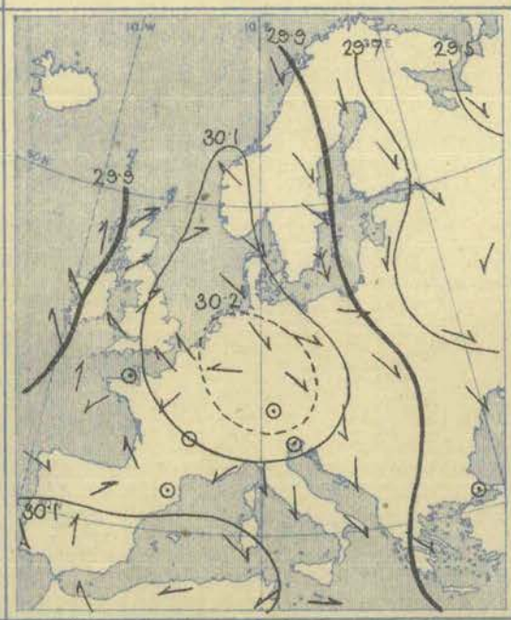
Barometer highest, 30·2 ins. and upwards over England, and also over western and southern Germany; 30·1 ins. and upwards in an anticyclone covering the whole of Ireland, England, and France, with the greater part of central and southern Europe. Lowest, 29·6 ins. and less in a depression over northern Russia; 29·7 ins. and less in a shallow disturbance over central Norway. Fall taking place later in most parts of southern Europe, and small shallow depression appearing over the north-east of Spain.

Monday, 9th September.

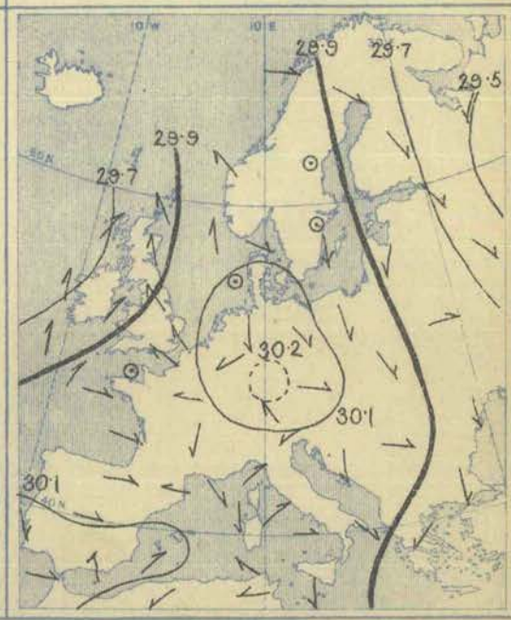
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over Great Britain as a whole, but cloudy in Ireland, with rain in the south; rain falling also at Sumburgh Head. Fine over the greater part of the Continent, but dull at many of the Russian stations, with rain at Moscow, as well as at Haparanda and Skudesnaes. A little rain falling later at most of our own western and northern stations, and thunderstorms occurring in the north of Scotland. Thunderstorm reported also at Nemours.

Temperature risen in most parts of our Islands and France, but fallen over northern and central Europe. Morning readings highest, 81° at Barcelona, 80° at Nice, 79° at Lesina, and 78° at Sfax; above 70° at the Mediterranean and Adriatic stations generally, as well as over the southern parts of France, and in the Channel Islands. Lowest, 37° at Archangel, 40° at Kuopio, 41° at Haparanda, and 42° at Ulleaborg; below 45° over the northern parts of Russia and Scandinavia generally. Rising later to between 80° and 83° over the inland parts of England, and to 86° at Jersey. Exceeding 90° over France and northern Italy; reaching 98° at Le Mans, and 97° at Limoges.

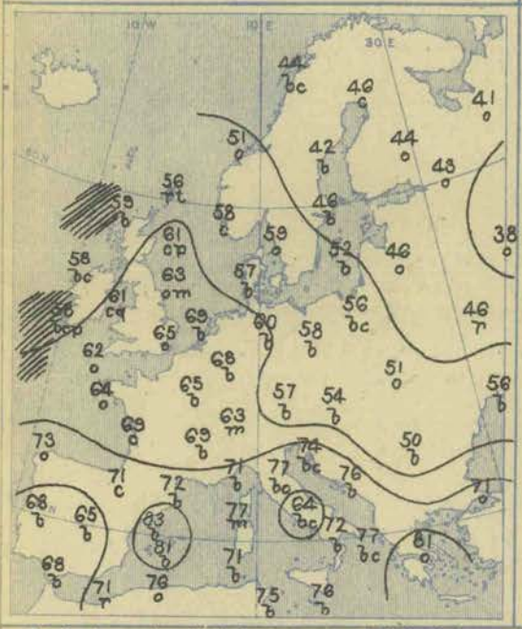
Wind light from the Eastward or North-Eastward over the Channel and north of France; South-Easterly over England and Ireland generally; South-Westerly in the east of Scotland. North-Westerly or Northerly over the greater part of northern and eastern Europe, and also over Italy; a fresh Northerly gale reported at Wisby. Light and variable over the greater part of France and Spain. Subsequently veering to the Southward in Ireland, moderate Westerly breezes setting in over the Bay of Biscay.

Barometer highest, 30·2 ins. and upwards over Germany and the Netherlands. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·6 ins. and less in another disturbance over the south of that country; 29·9 ins. and less on the west coasts of Ireland and Scotland. Small shallow depression appearing later over the north of France; barometer falling rather decidedly in our Islands. Depression over northern Russia moving south-eastwards.

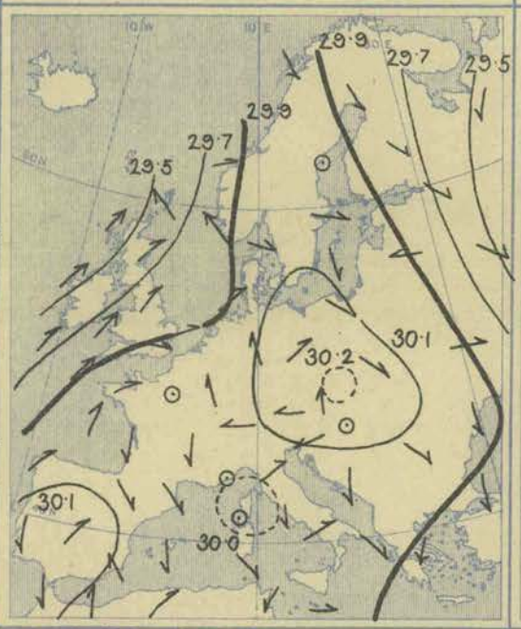
Wyman & Sons, Lt., Lith., 63, Carter Lane

Tuesday, 10th September.

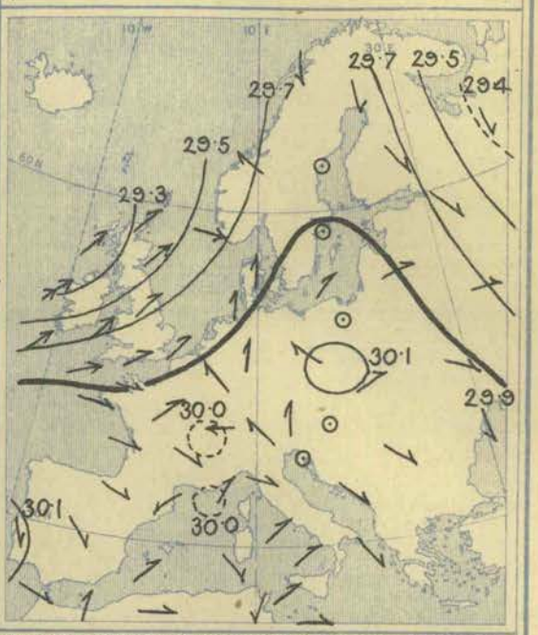
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy in most parts of England, fine at many of the Irish and Scotch stations, but with showers in a few places; thunder and rain reported at Sumburgh Head. Fine and bright over the Continent generally, but dull in many parts of Russia, with rain at Memel and Kiev. Showery weather setting in later over nearly the whole of western Europe; rainfall heavy on our extreme north-west coasts. Solar halos seen at Oxford and Jersey, and an aurora at Wick. Thunderstorms occurring in many parts of Germany, and also at Lyons, and lightning seen at Belfort.

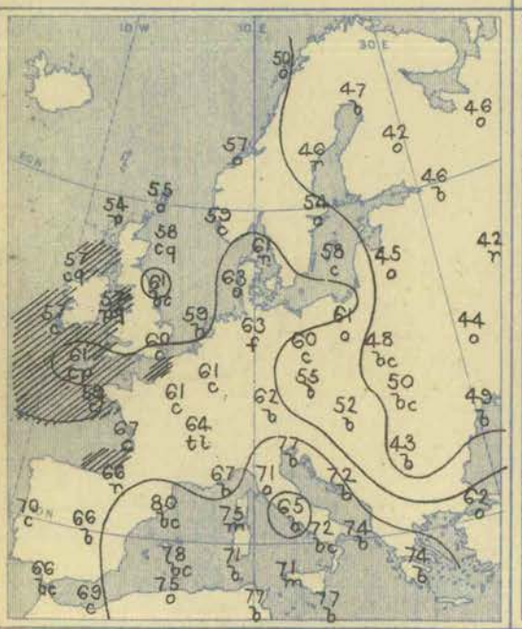
Temperature risen over the northern and eastern parts of Great Britain, but fallen in most other places. Morning readings highest, 83° at Barcelona and Palma, 81° at Athens, and 77° at Sanguinaire, Leghorn, and Brindisi; above 70° at the Mediterranean and Adriatic stations generally, and above 65° over France and the south-eastern parts of England. Lowest, 38° at Moscow, 41° at Archangel and Helsingfors, and 42° at Hernösand. Rising during day to between 70° and 75° in most parts of Great Britain, and reaching 76° at York, exceeding 85° in many parts of southern Europe, and touching 73° at Lyons and Perpignan.

Wind Southerly or South-Westerly over our Islands and the North Sea, and fresh or strong in force on our western coasts; South-Easterly in the west of Norway. Light to moderate from the North-Westward in Sweden and Russia, and also over Italy and the southern parts of France. Subsequently increasing to a moderate or fresh gale from the Southward or South-Westward on our north-west coasts; no important change occurring elsewhere.

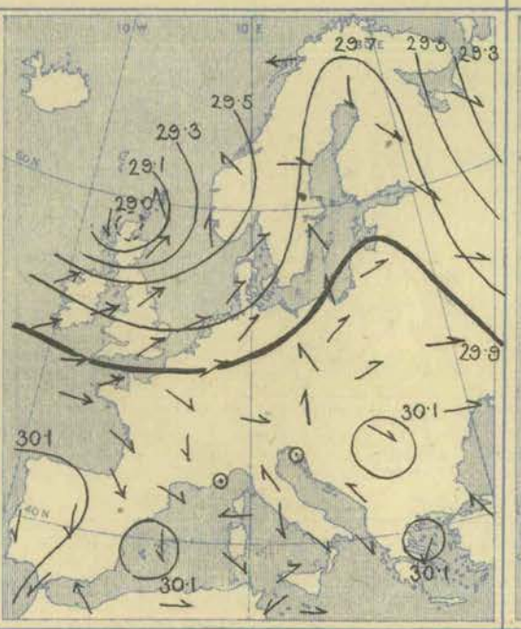
Barometer highest, 30·1 ins. and upwards in two distinct areas; one lying over central Europe, and the other over the Spanish Peninsula. Lowest, 29·5 ins. and less in a depression lying to the westward of our Islands, and also in another area over northern and central Russia. Atlantic depression subsequently advancing north-eastwards, and barometer falling in all parts of western Europe, briskly at the more northern stations.

Wednesday, 11th September.

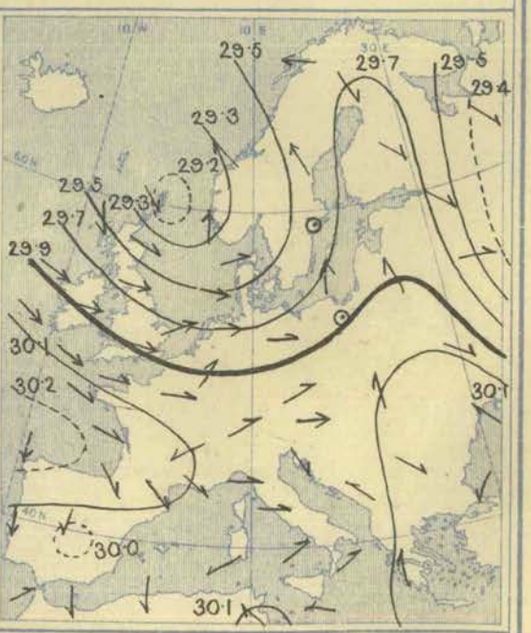
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the United Kingdom generally, but showery at some of the western and north-western stations. Cloudy or dull over the western and northern parts of the Continent, with rain in a few places, and with a thunderstorm at Lyons; fine over Austria and the greater part of southern Europe. Showers falling during day in most parts of our Islands and France, and considerable amounts of rain at some of the Scandinavian and Danish stations; thunderstorms occurring at Fanö and the Helder, as well as in some parts of Austria and the south of France.

Temperature fallen over our Islands and France, as well as in Austria and the south of Russia. Morning readings highest, 80° at Barcelona, 78° at Palma, and 77° at Trieste, Malta, and Sfax; above 70° at the Mediterranean and Adriatic stations generally. Lowest, 42° at Knopio and Moscow, 43° at Helsingfors, 44° at Kiev, and 45° at Riga. Daily maxima lower than of late, thermometer remaining below 70° in all parts of our Islands, reaching 65° at our central, eastern, and southern stations only. Exceeding 75° in many parts of France and Germany; exceeding 80° in Spain and Italy, and reaching 90° in a few places.

Wind fresh or strong in force over the greater part of our Islands, from West on our western and southern coasts, but from South-West over the eastern parts of the Kingdom; moderate from South-East in Caithness and the Shetlands, light from the Northward in the Hebrides; moderate from the Southward on the eastern shores of the North Sea; Easterly in the west of Norway. Light from between West and North in Russia, and also in Italy, variable in the south of France. Northerly over the Spanish Peninsula. Subsequently shifting to the North-Westward in Ireland and Scotland; continuing to blow strongly in many parts of the United Kingdom.

Barometer highest, 30·1 ins. and upwards over the western parts of the Spanish Peninsula; 30·0 ins. and upwards over all the more southern parts of the Continent. Lowest, 29·0 ins. and less in a rather deep depression having its centre over the north of Scotland; 29·3 ins. and less in another system over northern Russia. Scotch depression subsequently moving north-eastwards, barometer rising in all parts of our Islands—quickly in the north.

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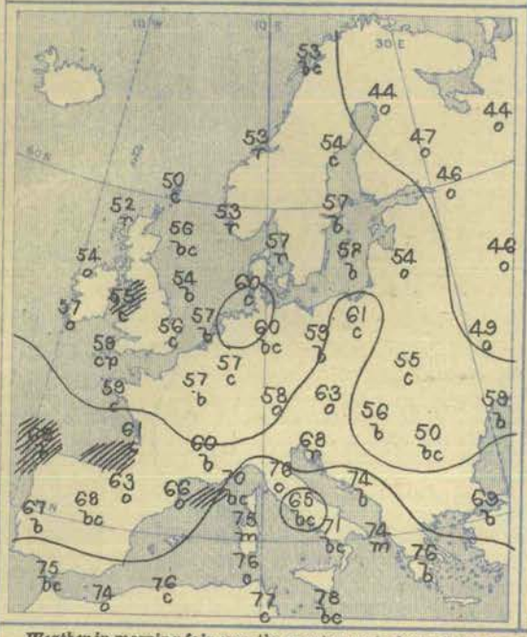
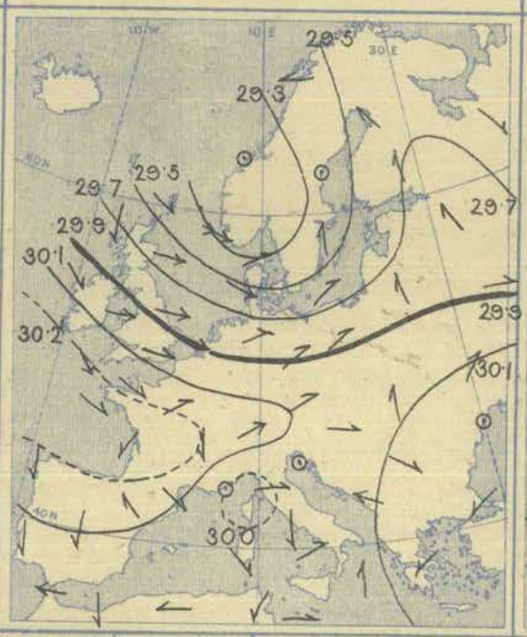
Thursday, 12th September.

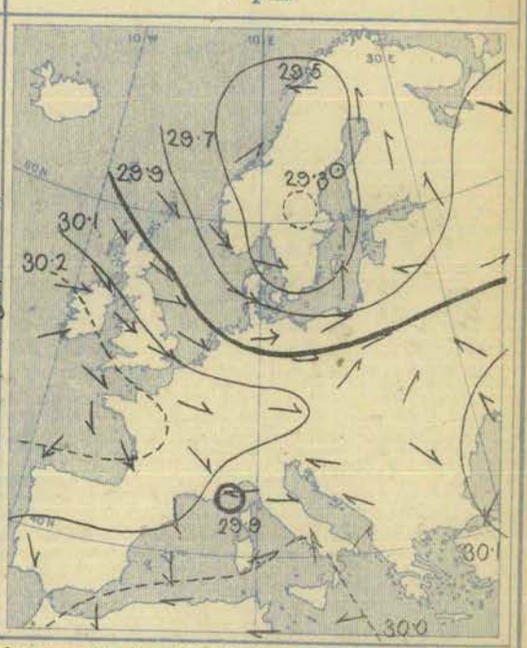
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the greater part of our Islands and the Continent, but dull in places; rain falling in the Hebrides and west of Norway, as well as at Skagen and Helsingfors. A little rain falling later in the north of Scotland generally, and also in many parts of Scandinavia, Denmark, and Germany. Thunderstorms occurring in Austria, with heavy rain at Trieste. Aurora seen at Wick.

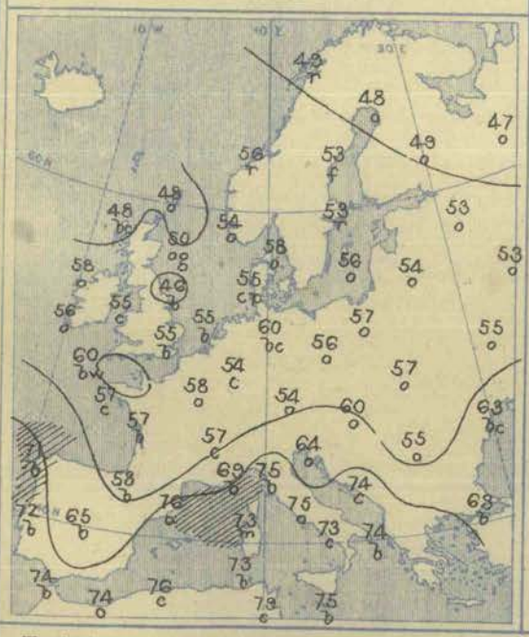
Temperature fallen in the western countries, but risen in Sweden, Russia, Austria, and eastern Germany. Morning readings highest, 78° at Malta, 77° at Sfax, and 76° at Leghorn, Patras, and Algiers; above 70° at the Mediterranean and Adriatic stations generally. Lowest, (1) 42° at Kharkov, and 44° at Uleaborg and Archangel; (2) 50° at Sumburgh Head, and 52° at Stornoway (below 55° at several of our own western and northern stations). Daily maxima below 60° on our extreme north and north-west coasts, but ranging between 65° and 68° over the eastern and southern parts of Great Britain, as well as in the adjacent parts of the Continent. Exceeding 80° over southern Europe generally, and reaching 93° at Madrid.

Wind Westerly or North-Westerly over our Islands and the North Sea; strong in force at many of our northern stations, with a gale at Wick and Skudesnaes. Moderate to strong from the South-Westward over Germany; Southerly over Finland and the south of Sweden; Easterly in the north of Scandinavia; variable over the south of Russia, and also in Italy; North-Westerly in the south of France, varying between East and North over the Spanish Peninsula and the south-west of France. North-Westerly breezes setting in later over France, but wind backing to the South-Westward at Valencia (Ireland) in evening.

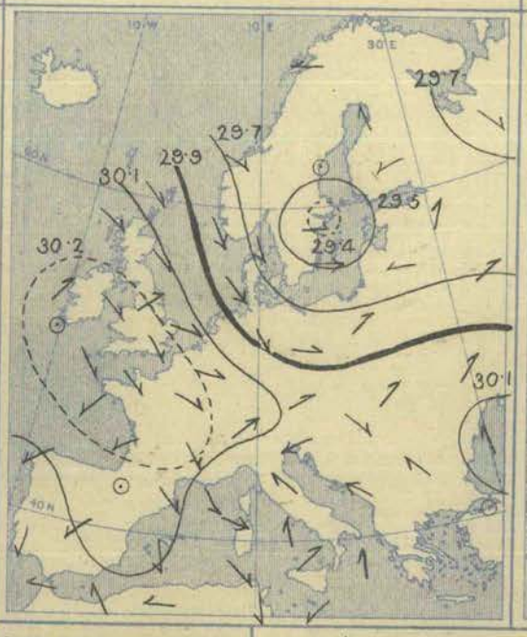
Barometer highest, 30·1 ins. and upwards in an anticyclone extending from the Atlantic over the south-western parts of our Islands, France, and the north of Spain, as well as in another system lying over south-eastern Europe generally. Lowest, 29·3 ins. and less in a large depression over Norway. Depression subsequently moving slowly eastwards; barometer rising over western Europe generally, but becoming steady in the west of Ireland.

Friday, 13th September.

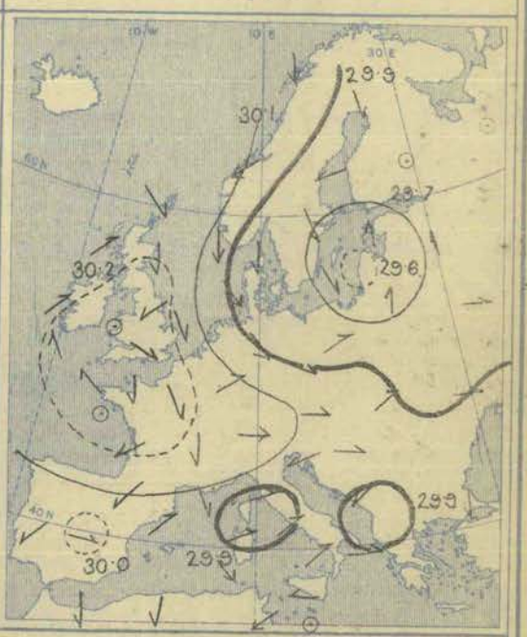
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England, the Netherlands, France, Spain, and the south of Italy. Cloudy or dull in most other regions, with rain in the west of Norway, as well as at Stockholm and Prague. Rain falling later over Germany, Scandinavia, and northern Russia; aurora seen at Wick. Thunderstorms occurring at Laghouat and Tunis.

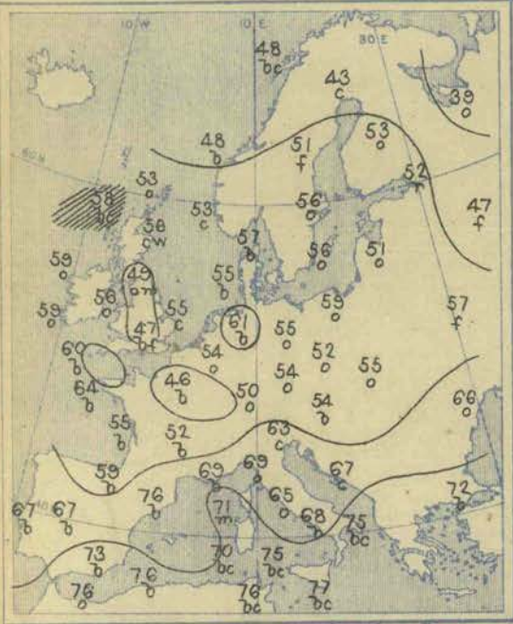
Temperature fallen over western and central Europe generally, but risen in Portugal, as well as over Russia, Austria, and central Italy. Morning readings highest, 79° at Sfax, 78° at Palma, and 76° at Barcelona and Algiers; above 70° over the Mediterranean and Adriatic generally, as well as on the coasts of the Spanish Peninsula. Lowest, (1) 46° at Shields, and 48° at Sumburgh Head and Stornoway; (2) 47° at Archangel, and 48° at Haparanda and Uleaborg. Rising during day to 65° and upwards at many of our own central and southern stations, to 70° and upwards over the south of France, and to 80° and upwards in Spain and Italy, the highest reading of all being 91° at Madrid and Palermo.

Wind light to moderate from the North-Westward over our Islands generally, and strong from the same quarter on the eastern shores of the North Sea; moderate from West or South-West over Germany and the Baltic; light from the Eastward in the north of Scandinavia; South-Westerly in the north of Ireland. North-Easterly or Easterly over Spain and the Bay of Biscay, but North-Westerly in the south of France; light from the Southward over Italy, and also in Russia. Subsequently shifting to the Southward on our western coasts, no important change occurring elsewhere.

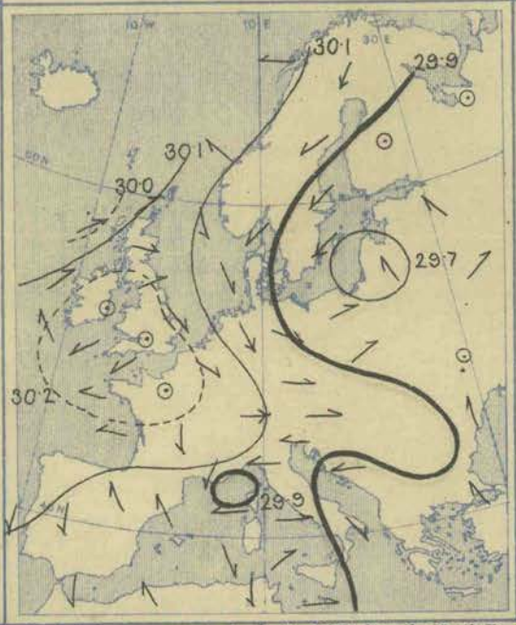
Barometer highest, 30·3 ins. and upwards in an anticyclone extending from the Atlantic over Ireland and the greater part of England and France; 30·1 ins. and upwards in another system over the Black Sea and the extreme south of Russia. Lowest, 29·4 ins. and less in a depression over the southern part of the Gulf of Bothnia. No important change occurring during day, but depressions beginning to form over the Adriatic and the Gulf of Genoa.

Saturday, 14th September.

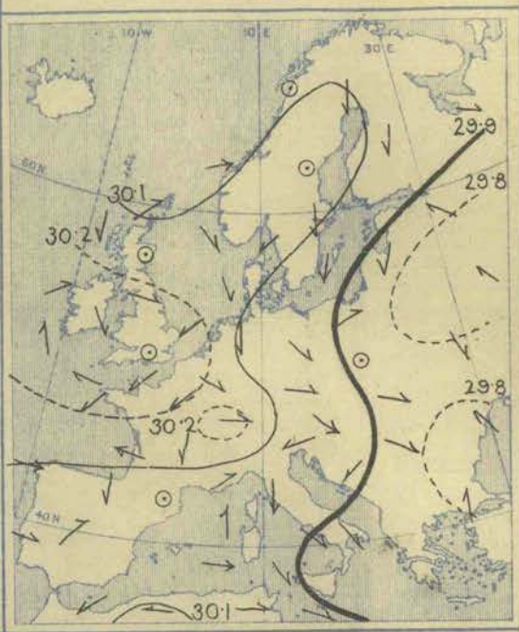
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western and southern Europe generally, but foggy over central England, and cloudy or dull over Ireland and the northern parts of Great Britain. Dull over Sweden and Germany, and rainy at several stations situated in the northern and central parts of Russia. Fog clearing later over England, but slight rain falling in the extreme north and north-west of our Islands, larger quantities reported in some parts of Scandinavia and Germany, with thunderstorms at Berlin, Magdeburg, and Gruenberg.

Temperature risen in Ireland and Scotland, but fallen in most other countries. Morning readings highest, 77° at Malta, and 76° at Barcelona, Oran, Algiers, and Sfax; above 70° at most of the Mediterranean stations, and above 65° over southern Europe generally. Lowest, (1) 39° at Archangel, 43° at Haparanda, and 45° at Uleaborg; (2) 41° at Loughborough, and 44° at Cambridge; (3) 46° at Paris, and 47° at Belfort. Rising during day to 65° and upwards in many parts of the United Kingdom, and reaching 70° at Loughborough. Exceeding 70° in the north-west of France, exceeding 80° over southern Europe generally, and reaching 93° at Madrid.

Wind light from the North-Eastward in the English Channel, and moderate from the Eastward in France; South-Easterly or Southerly in Ireland; South-Westerly in Scotland; Easterly in the west of Norway. Moderate to strong from the Northward or North-Eastward in Sweden, and from the North-Westward in Denmark and the south of Norway; light to moderate from the Westward in Germany and Austria. Easterly in the north of Italy, but variable in the south of that country; varying between North and East over the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over Ireland, England, and the more northern parts of France. Lowest, 29·7 ins. and less in a depression over the Baltic provinces; 29·9 ins. and less in another disturbance off the south of France; 30·0 ins. and less in a third system off the north-west of Scotland. Depression over Baltic provinces subsequently moving eastwards, and Scotch disturbance north-eastwards; system off south of France gradually dispersing.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Swede and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country

GENERAL NOTES.

At the commencement of this week a large anticyclone lay over our Islands and the greater part of central and southern Europe, the weather in these regions being fair and warm, especially in France, Spain, and northern Italy, where maximum temperatures of 90° and upwards were reported on the 8th or 9th.

On the 9th, however, the anticyclone moved south-eastwards and began to break up, and, between the 10th and 12th, a depression of considerable depth for the time of year advanced over north-western and northern Europe from the Atlantic, its centre passing across the extreme north of Scotland, and thence on to Scandinavia. In the front of this disturbance South-Westerly winds and showery weather spread gradually over western Europe, while in its rear the wind veered to West or North-West, the latter change being accompanied by a decided fall of temperature, first of all in our Islands, and afterwards over France and southern Europe. Severe thunderstorms occurred in some parts of Scotland on the 9th, and on various other occasions in France, Germany, and Austria.

On the 12th, a new anticyclone began to advance from the Atlantic, and by the close of the week this system had extended eastwards over nearly the whole of western and central Europe. In the more western countries the wind now became light and the weather improved decidedly, the days being fair and warm, but the nights cold, with fog at some of the inland stations. Over northern and eastern Europe, however, including some parts of Germany, the conditions remained unsettled, with rain in many places, and with local thunderstorms.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 218.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	36·4	?	40	?	EASTBOURNE	54·5	?	61	?
OSWALDKIRK (Yorkshire)	41·1	?	46	?	MANCHESTER (Oldham Road)	25·2*	?	28*	?
WORKSOP	44·7	+18·2	50	+21	TENBY	42·0*	?	47*	?
THURCASTON (Leicestershire)	47·9	+21·7	53	+23	NEWQUAY	52·2	?	59	?
MARGATE	51·6	?	58	?	TORQUAY	47·0*	?	54*	?
WESTBOURNE (Sussex)	48·7*	?	55*	?	ARLEY COTTAGE (County Cavan)	17·2	?	19	?
BRIGHTON	54·2	?	61	?	GUERNSEY	58·6*	?	66*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith, 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 38.] *Third Series.*

WEEK ENDING SATURDAY, SEPTEMBER 21ST, 1895.

Price 6d.
Annual Subscription, post paid, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

DISTRICTS. (See p. 224.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	64	39	58·3	47·3	52·5	2 above	74	+12	0	- 1	1814*	+261	811	+240
1. SCOTLAND, EAST	69	36	62·9	46·1	54·1	2 above	85	+12	0	- 1	2055	+ 51	988	+412
2. ENGLAND, N.E.	73	38	65·1	48·1	56·2	2 above	99	+18	0	- 1	2316	+203	783	+274
3. ENGLAND, EAST	76	35	66·9	46·0	55·9	1 above	97	+ 3	0	0	2599	+134	854	+233
4. MIDLAND COUNTIES	77	33	67·8	44·9	55·7	2 above	96	+ 8	0	- 1	2573	+148	934	+370
5. ENGLAND, SOUTH	77	40	67·3	48·7	57·6	1 above	109	+ 7	0	0	2729	+ 76	755	+333
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	66	31	61·2	47·3	53·9	1 above	83	+ 6	0	0	2177	+124	778	+354
7. ENGLAND, N.W.	70	40	63·1	49·7	56·1	2 above	99	+14	0	0	2381	+158	725	+303
8. ENGLAND, S.W.	76	35	65·4	49·1	58·8	1 above	104	+10	0	0	2540	+ 87	654	+337
9. IRELAND, NORTH	72	36	62·8	49·4	55·8	3 above	97	+17	0	0	2256	+ 66	635	+268
10. IRELAND, SOUTH	69	37	64·3	48·8	56·2	1 above	99	+10	0	0	2140	- 13	479	+195
—CHANNEL ISLANDS	73	48	68·2	54·5	61·0	2 above	133	+20	0	0	2883	+133	300	+248

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 224.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	4	15	4 more	163	- 3	32·8*	- 1·8	13	-17	15	-19	903	- 15	29	0
1. SCOTLAND EAST	3	6	1 less	136	- 5	20·8	- 1·4	20	+ 4	33	+ 3	1127	+ 89	35	+ 2
2. ENGLAND, N.E.	1	less than ½	6 less	133	+ 3	19·6	+ 1·2	44	+23	51	+25	1210*	+168	35	+ 5
3. ENGLAND, EAST	1	less than ½	6 less	113	-14	16·9	- 1·2	39	+11	46	+12	1439	+183	41	+ 5
4. MIDLAND COUNTIES	1	less than ½	7 less	109	-16	16·1	- 4·1	43	+16	50	+19	1317	+208	38	+ 6
5. ENGLAND, SOUTH	1	less than ½	6 less	103	-18	14·7	- 4·1	47	+13	54	+15	1498	+173	42	+ 5
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	2	2	8 less	141	- 8	23·8	-11·4	36	+10	43	+13	1186	+ 55	33	+ 1
7. ENGLAND, N.W.	1	less than ½	8 less	122	-14	20·5	- 3·1	40	+17	46	+20	1150	+153	36	+ 4
8. ENGLAND, S.W.	1	less than ½	9 less	111	-23	20·7	- 6·3	49	+17	57	+19	1554	+198	44	+ 6
9. IRELAND, NORTH	2	1	7 less	154	- 7	23·1	- 2·0	30	+10	34	+10	1082	+ 75	31	+ 2
10. IRELAND, SOUTH	1	2	6 less	129	-18	24·4	- 3·0	39	+11	46	+14	1195	- 7	34	0
—CHANNEL ISLANDS	1	less than ½	8 less	125	-22	16·7	- 5·1	61	+31	71	+35	1729	+219	52	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued very fine and dry over the Kingdom generally, but a considerable amount of rain was again experienced in the north of Scotland, and some slight falls occurred in most other localities about the middle of the week.

Temperature continued above the mean, the excess ranging from 1° to 3°. The highest of the maxima were registered in most places on the 18th, and varied from 76° or 77° in most of the English districts, to 66° in Scotland W., and to 64° in Scotland N. The lowest of the minima were recorded either on the 20 or 21st, when the thermometer fell to 31° in Scotland W., 33° in the Midland counties, and to between 35° and 40° in most other districts; in the Channel Islands the lowest reading was 48°. At the inland stations the diurnal range of temperature was very large.

Rainfall exceeded the mean in Scotland N., but was less in all other districts. Over the greater part of the Kingdom the fall was extremely slight.

Bright Sunshine was again very prevalent in all districts, excepting Scotland N. The percentage of the possible duration ranged from 71 in the Channel Islands, and from between 46 and 57 over England, to 33 in Scotland E., and to only 15 in Scotland N. The highest percentage recorded at any individual station was 80 at Jersey.

Barometer and Wind.—The distribution of pressure over our Islands continued anticyclonic during the earlier part of the period, and the winds light and variable. By the 18th, however, the anticyclonic system had moved southwards, and a depression travelled quickly eastwards across the north of Scotland to Scandinavia. The wind consequently became South-Westerly and Westerly, and blew with the force of a gale on our extreme north and north-west coasts. As the depression passed away, another anticyclone advanced over us from the westward, causing South-Westerly to Westerly winds in the north, and Easterly and North-Easterly breezes in the south.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 223 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	43	55·0	46·0	50·3	+ 0·1	58	0	5	1·06	+0·27	*	*	*	*
	Stornoway	60	40	57·9	45·6	51·5	+ 1·1	67	0	5	1·29	+0·31	8·1	−16·4	9	−19
	Wick	64	45	59·6	47·0	53·0	+ 2·0	77	0	4	0·76	+0·16	*	*	*	*
	Glencarron Ⓢ	61	39	57·5	46·1	51·5	+ 1·6	67	0	4	2·38	+0·76	*	*	*	*
	Fort Augustus Ⓢ	63	40	60·8	48·6	54·4	+ 2·8	87	0	4	1·09	+0·19	14·1	?	16	?
	Fort William Ⓢ	60	44	58·8	50·3	54·4	+ 2·1	87	0	4	2·09	+0·49	16·6	?	19	?
1. SCOTLAND, E.	Nairn	66	36	62·1	46·6	54·0	+ 2·0	84	0	3	0·91	+0·31	*	*	*	*
	Aberdeen	69	41	62·1	47·1	54·2	+ 2·1	85	0	3	0·71	+0·01	30·0	+ 4·3	34	+ 3
	Braemar Ⓢ	61	36	58·9	43·7	50·9	+ 2·3	62	0	3	0·88	+0·07	22·2†	?†	25†	?†
	Ochtertyre Ⓢ	65	38	63·7	46·7	54·8	+ 2·7	90	0	3	0·57	−0·28	*	*	*	*
	Leith	69	37	65·6	48·3	56·5	+ 2·7	102	0	2	0·42	−0·11	*	*	*	*
	Marchmont Ⓢ	68	43	65·0	44·3	54·2	+ 2·8	85	0	1	0·12	−0·66	34·0	?	40	?
2. ENGLAND, N.E.	Alnwick Castle	69	42	62·6	47·3	54·6	+ 2·6	88	0	2	0·08	−0·59	*	*	*	*
	Durham	68	38	65·8	46·0	55·4	+ 2·6	94	0	0	0·02	−0·56	49·4	+25·9	57	+29
	Shields	71	43	65·6	47·7	56·2	+ 2·7	99	0	1	0·03	−0·57	*	*	*	*
	Scarborough Ⓜ	70	46	65·1	49·1	56·7	+ 2·4	103	0	1	0·01	−0·65	*	*	*	*
	York	73	43	67·3	46·0	56·1	+ 1·7	99	0	1	0·02	−0·60	41·9	+18·8	49	+22
	Spurn Head	70	51	64·3	52·7	58·2	+ 2·5	113	0	1	0·05	−0·44	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	76	38	67·8	43·4	55·0	+ 0·4	91	0	0	—	−0·63	37·4	+10·1	43	+11
	Yarmouth	72	48	65·0	52·4	58·4	+ 2·6	115	0	0	—	−0·70	*	*	*	*
	Geldeston	74	35	67·0	45·3	55·6	0·0	95	0	0	—	−0·60	44·4	+11·0	52	+14
	Cambridge	75	37	68·9	44·4	56·1	+ 0·4	99	0	2	0·03	−0·49	39·7	+ 9·3	46	+11
	Rothamsted	73	37	65·7	44·3	54·5	− 0·1	88	0	1	0·04	−0·60	35·7	?	41	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	73	33	67·9	45·9	56·4	+ 2·0	101	0	0	—	−0·60	*	*	*	*
	Loughborough	76	35	70·3	43·9	56·5	+ 1·3	102	0	1	0·03	−0·61	*	*	*	*
	Stamford (Ketton Hall)	76	33	69·3	43·6	55·8	+ 0·9	97	0	2	0·02	−0·68	*	*	*	*
	Cheadle Ⓜ	70	43	65·3	48·4	56·2	+ 3·4	99	0	0	—	−0·77	*	*	*	*
	Solihull	75	36	68·0	44·4	55·6	+ 2·1	95	0	2	0·05	?	*	*	*	*
	Churchstoke Ⓜ	73	37	67·4	43·0	54·6	+ 1·8	88	0	1	0·13	−0·52	48·9	+21·1	57	+25
	Hereford Ⓜ	77	35	69·1	43·2	55·5	+ 0·8	95	0	1	0·04	−0·61	*	*	*	*
	Cirencester	70	40	65·9	45·4	55·2	+ 1·2	92	0	0	—	−0·75	39·2	+12·5	46	+15
	Oxford	73	38	66·9	45·9	55·9	+ 0·5	97	0	1	0·01	−0·63	36·8	+ 7·3	43	+ 8
5. ENGLAND, S.	London	76	40	69·3	46·4	57·3	+ 0·6	107	0	1	0·02	−0·55	33·8†	+ 9·1†	39†	+10†
	North Foreland	77	50	66·4	53·4	59·6	+ 2·5	123	0	1	0·04	?	*	*	*	*
	Strathfield Turgiss Ⓜ												*	*	*	*
	Dungeness	69	43	66·0	48·4	56·8	− 0·5	104	0	0	—	−0·64	*	*	*	*
	Hastings (St. Leonards)	68	50	65·9	51·6	58·4	+ 0·7	115	0	0	—	−0·67	54·9	+19·1	64	+23
	Southampton	76	44	69·8	47·5	58·1	+ 1·3	113	0	1	0·01	−0·72	41·8	+ 8·5	49	+11
	Hurst Castle	68	47	67·4	49·4	58·0	+ 0·8	112	0	0	—	−0·70	*	*	*	*
	Stowell Ⓜ	71	42	66·5	44·5	55·0	+ 0·4	91	0	1	0·01	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sumart)												*	*	*	*
	Glasgow	63	42	60·0	48·7	54·1	+ 2·0	85	0	2	0·60	−0·32	25·6	+ 4·1	30	+ 5
	Ardrossan	62	42	60·6	51·7	55·9	+ 2·1	97	0	2	0·12	−0·76	*	*	*	*
	Glenlee Ⓢ	64	31	62·3	43·5	52·5	+ 0·8	74	0	2	0·17	−1·06	*	*	*	*
	Douglas (Isle of Man)	63	39	62·0	45·2	53·2	− 0·3	78	0	1	0·03	−0·87	47·2	+16·9	55	+20
7. ENGLAND, N.W.	Stonyhurst	64	42	60·7	47·7	53·9	+ 0·5	83	0	1	0·16	−1·02	39·2	+12·4	46	+15
	Blackpool Ⓜ	66	40	63·7	48·6	55·8	+ 2·0	97	0	0	—	−0·88	38·2	+11·7	44	+13
	Manchester (Prestwich)	70	43	65·7	47·8	56·3	+ 2·5	100	0	0	—	−0·91	41·0	?	48	?
	Liverpool Obsy. (Bidston)	68	46	63·4	51·9	57·4	+ 2·3	108	0	1	0·01	−0·80	*	*	*	*
	Llandudno Ⓜ	67	47	63·8	51·3	57·3	+ 1·4	107	0	1	0·01	−0·71	51·4	+27·6	60	+32
	Holyhead	64	48	61·3	51·3	56·1	+ 0·3	99	0	1	0·03	−0·74	*	*	*	*
8. ENGLAND, S.W.	Llandovery	76	35	67·9	46·1	56·5	+ 1·7	102	0	2	0·08	−1·04	*	*	*	*
	Pembroke	63	50	61·7	52·7	57·0	+ 1·2	105	0	0	—	−0·87	45·4	+13·8	53	+16
	Bristol (Montpelier)	72	41	68·1	48·9	58·0	+ 2·9	112	0	0	—	−0·82	*	*	*	*
	Arlington (N. Devon)	69	42	65·4	47·4	56·0	+ 1·4	98	0	2	0·03	−1·09	*	*	*	*
	Cullompton Ⓜ	76	40	68·2	43·8	55·4	+ 0·7	94	0	1	0·01	−0·84	40·1	+10·6	47	+12
	Falmouth	67	50	64·0	52·7	58·1	+ 1·5	113	0	1	0·02	−1·16	56·6	+24·9	66	+28
	Plymouth	67	44	64·2	48·6	56·0	− 0·8	98	0	0	—	−0·90	48·7	+15·9	57	+18
	Prawle Point	65	50	63·6	52·4	57·7	+ 1·2	110	0	0	—	−0·62	*	*	*	*
9. IRELAND, N.	Malin Head	65	50	61·0	54·1	57·4	+ 4·6	108	0	4	0·15	?	*	*	*	*
	Londonderry	72	43	65·2	48·8	56·6	+ 3·3	102	0	2	0·17	−0·73	*	*	*	*
	Edenfel (Omagh)	64	37	62·3	46·3	53·9	+ 1·5	83	0	1	0·08	−0·76	*	*	*	*
	Belmullet	64	46	61·4	53·3	57·2	+ 1·2	106	0	2	0·18	?	*	*	*	*
	Markree Castle	66	36	64·5	45·9	54·8	+ 2·2	90	0	2	0·03	−0·72	29·6	+ 8·5	34	+ 9
	Brookeborough	67	41	63·8	49·2	56·2	+ 4·6	99	0	1	0·05	−0·84	*	*	*	*
	Armagh	65	41	63·5	48·0	55·4	+ 2·8	94	0	1	0·03	−0·62	34·7	+11·4	40	+12
	Donaghadee	68	43	63·7	50·0	56·5	+ 2·9	102	0	2	0·02	−0·68	*	*	*	*
	Edgeworthstown	66	41	60·0	?49·4	?54·5	?+ 1·9	? 88	0	0	?	−0·74	*	*	*	*
10. IRELAND, S.	Dublin	68	47	64·3	50·7	57·2	+ 2·4	106	0	0	—	−0·55	42·8	+13·3	50	+16
	Parsonstown	67	41	64·7	47·1	55·5	+ 2·1	95	0	1	0·09	−0·66	37·7	+11·2	44	+14
	Kilkenny	69	42	64·9	46·3	55·2	+ 0·6	92	0	1	0·05	−0·63	*	*	*	*
	Roche's Point	65	47	63·9	50·9	57·1	+ 1·3	106	0	1	0·20	−0·73	*	*	*	*
	Valencia	67	43	64·3	50·3	57·0	+ 1·1	105	0	2	0·23	−0·82	36·6	+ 9·6	43	+11
	Killarney	67	37	64·4	47·5	55·5	+ 0·7	95	0	1	0·21	?	*	*	*	*
	Foynes	66	44	?63·5	?49·1	?56·0	?+ 1·8	?98	0	1	0·44	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	71	55	66·0	56·3	60·9	+ 3·1	132	0	1	0·01	−0·81	51·1	?	59	?
	Jersey	73	48	70·3	52·6	61·0	+ 1·5	133	0	1	0·01	−0·71	69·1	+30·9	80	+35

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

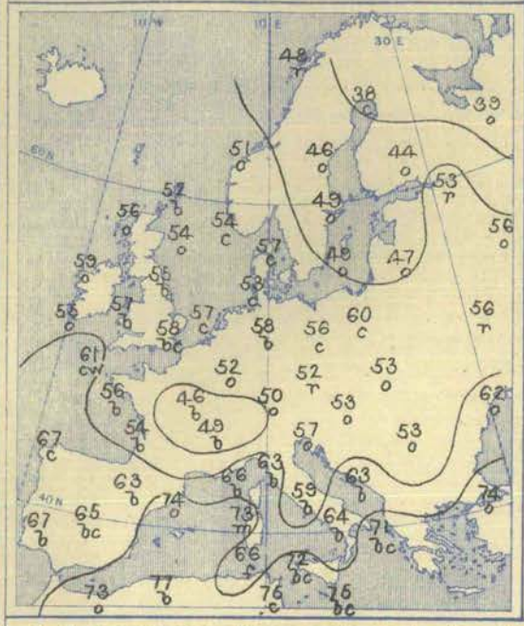
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 15th September.

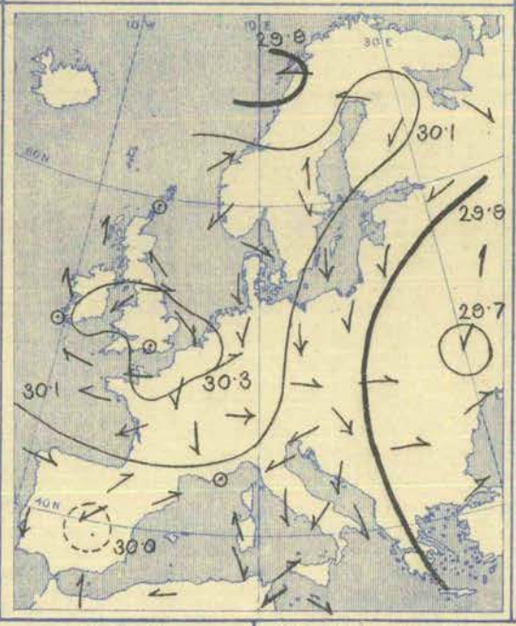
Temperature and Weather.

8 a.m.

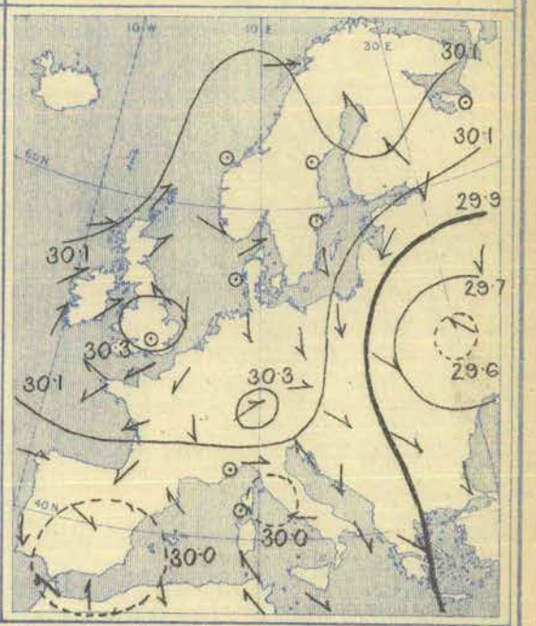


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over western and southern Europe generally, but foggy over central England, and dull in the extreme north and west of our Islands. Cloudy and unsettled in most of the northern, eastern, and central countries, with rain at Bodö, St. Petersburg, Prague, and Vienna. A little rain falling later in the Shetlands and Hebrides, as well as in many parts of Scandinavia, Russia, and Germany.

Temperature fallen in Austria, Italy, and the south of France, but changed irregularly elsewhere. Morning readings highest, 77° at Algiers and Sfax, 75° at Palermo and Malta, and 74° at Constantinople; above 65° at most of the Mediterranean, Adriatic, and Spanish coast stations, and above 60° in the Scilly Islands, as well as at Leith. Lowest, 38° at Haparanda, 39° at Archangel, and 41° at Uleaborg; below 50° over the central parts of England and France. Rising during day to 65° and upwards in many parts of our Islands, and reaching 74° at Loughborough. Exceeding 75° over southern Europe generally, the highest readings of all being 93° at Madrid, and 88° at San Fernando.

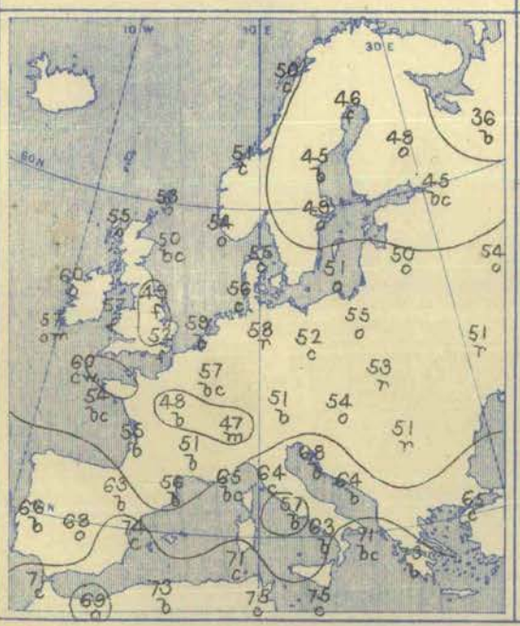
Wind light to moderate from the Eastward over the south of our Islands, and the greater part of France, from the Southward on our extreme north and north-west coasts, and from the North-Westward in the east of England. Easterly in the north of Scandinavia; North-Easterly in Finland; Northerly over Denmark, north Germany, and the south of Scandinavia, as well as in Italy; Westerly or North-Westerly over Austria and south Germany; variable in Spain and the south of France. Subsequently veering to the South-Westward on our north and north-west coasts; becoming calm or variable in Sweden and Denmark; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over the greater part of Ireland, England, the Netherlands, and the north of France; 30·2 ins. and upwards in an anticyclone covering nearly the whole of western Europe. Lowest, 29·7 ins. and less in a depression over the south of Russia; 29·9 ins. and less in another disturbance off the north-west of Norway. Latter disturbance subsequently moving north-eastwards, but new depression approaching the north-west of Scotland. Anticyclone over western Europe beginning to give way.

Monday, 16th September.

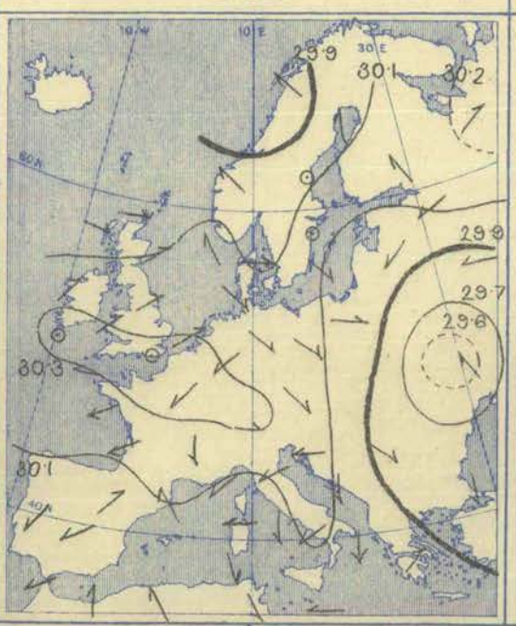
Temperature and Weather.

8 a.m.

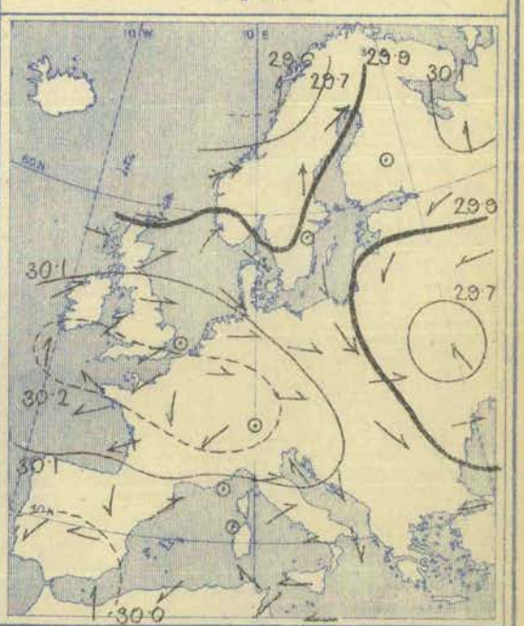


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning foggy or misty in many parts of England and Ireland and dull on our extreme west and north coasts, as well as in Scandinavia, Denmark, Russia, Austria, and the northern and eastern parts of Germany. Rain falling at Cuxhaven, Lemberg, and Kiev. Fine and bright over the Netherlands, France, and the greater part of southern Europe. Rain setting in later over Scotland and the north of Ireland, as well as in many parts of Scandinavia. Aurora seen at Stornoway.

Temperature changed very irregularly. Morning readings highest, 75° at Malta and Sfax, 74° at Barcelona, and 73° at Patras and Algiers; above 65° in many parts of southern Europe. Lowest, (1) 36° at Archangel, 44° at Uleaborg, and 45° at Hernösand and St. Petersburg; (2) 46° at York and Loughborough; (3) 47° at Le Mans and Belfort. Rising during day to between 70° and 73° over the eastern, central, and south-eastern parts of England exceeding 75° in the west and south of France, and also in Spain and Italy, the highes readings of all being 89° at Madrid, and 88° at San Fernando.

Wind light from the South-Westward in all the more northern parts of our Islands, and from the South-Eastward on the Norwegian coasts. Light to moderate from between North and East over the Channel, France, and the greater part of southern Europe. Calm or variable in Sweden; Easterly or North-Easterly over northern and central Russia; North-Westerly over Denmark, Germany, and Austria; Southerly in the extreme south of Russia. Subsequently veering to the South-Westward in the west of Norway, and increasing to a strong gale at Christiansund. No important change occurring elsewhere.

Barometer highest, 30·2 ins. to 30·3 ins. and upwards in an anticyclone over Ireland, England, the Netherlands, Germany, and all the more northern parts of France; 30·2 ins. and upwards in another system over the extreme north of Russia. Lowest, 29·6 ins. and less in a well-marked depression over the south of Russia; 29·8 ins. and less in a shallow system off the north-west of Norway. Anticyclone over western Europe giving way gradually during day, but general distribution of pressure remaining unchanged.

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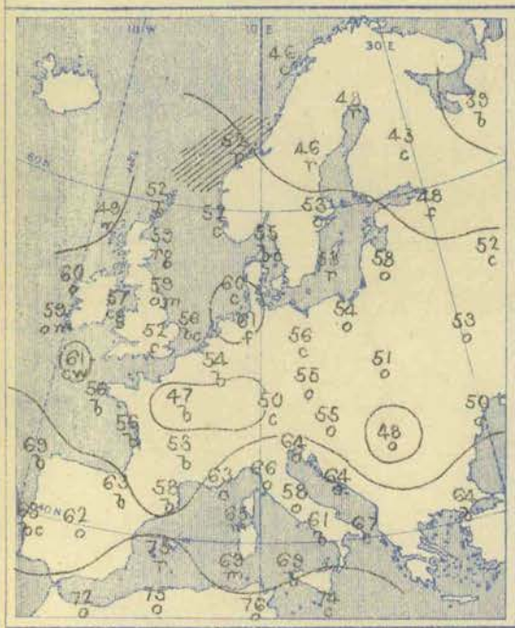
Tuesday, 17th September.

Temperature and Weather.

8 a.m.

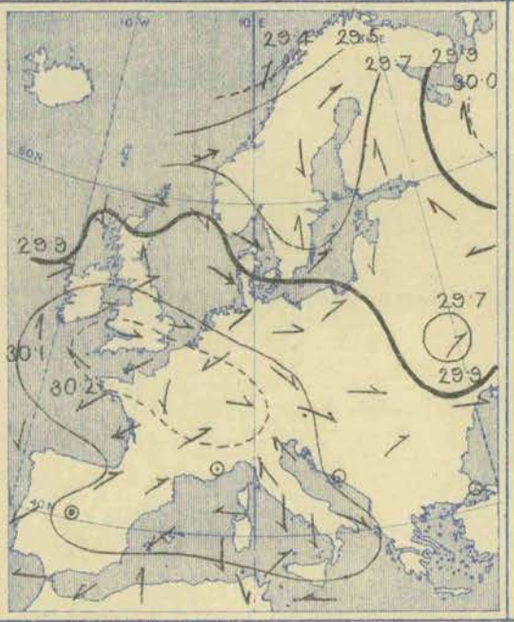


Weather in morning cloudy or dull in our Islands, with fog at many of the English stations, and with rain in Scotland, and the extreme north of Ireland. Fine over the western and southern parts of the Continent generally, but dull over northern Italy. Cloudy or overcast in Germany and Russia; rainy at several of the Scandinavian stations. Rain falling later over all the more northern parts of our Islands, and also in Germany, Austria, and Russia. Thunderstorm occurring at Moscow. Solar halo seen at Oxford in afternoon.

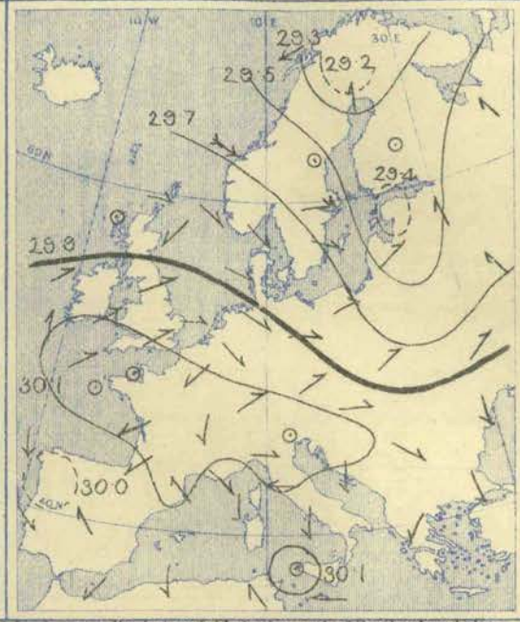
Temperature changed very irregularly. Morning readings highest, 76° at Sfax, 75° at Palma and Algiers, and 74° at Malta and Barcelona; above 65° at the Mediterranean, Adriatic, and Spanish coast stations generally, and above 60° at some of the English Channel stations. Lowest, (1) 39° at Archangel, 43° at Kuopio, and 46° at Bodö and Hernösand; (2) 47° at Paris and Le Mans, and 48° at Wiesbaden and Belfort. Daily maxima below 60° in the north of Scotland, but thermometer rising to 69° at Leith, and to between 70° and 73° at some of our southern and south-eastern stations. Exceeding 80° in many parts of France and Spain, and reaching 88° at Toulouse, Bilbao, and Madrid.

Barometer and Wind.

8 a.m.



6 p.m.



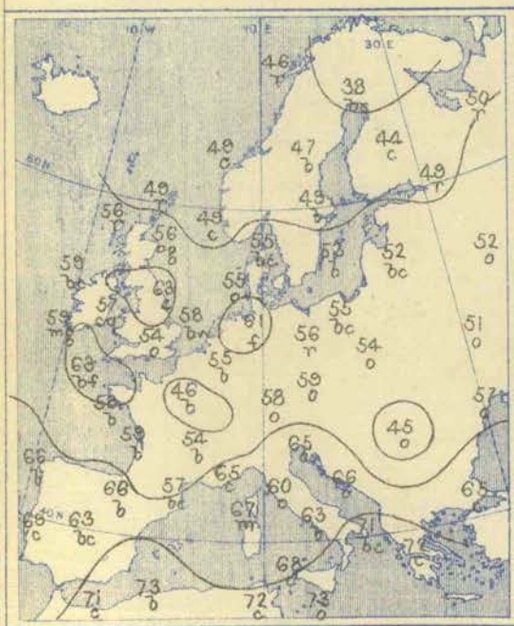
Wind South-Westerly over our Islands generally, but variable in the north of Scotland, and also in the extreme south of England; strong in force on our extreme north-west coasts; Westerly in Norway, Denmark, Germany, and Austria, with a gale at Christiansund; Southerly over Sweden and northern Russia. Light to moderate from the Eastward or North-Eastward in the north and west of France, and also in the south of Spain; variable in Italy and the south of France. No important change occurring over western Europe during day, but South-Westerly winds setting in over the south of England.

Barometer highest, 30·2 ins. and upwards in an anticyclone over the south of England, Belgium, Western Germany, and the northern parts of France; 30·0 ins. and upwards in another system over the north of Russia. Lowest, 29·4 ins. and less in a depression off the north-west of Norway; 29·7 ins. and less in two shallow systems lying respectively over the Baltic Provinces, and near Kiev; 29·9 ins. and less in another shallow system off our extreme north-west coasts. Norwegian depression subsequently moving eastwards; Russian disturbances dispersing, but well-marked secondary system appearing over the Gulf of Finland.

Wednesday, 18th September.

Temperature and Weather.

8 a.m.

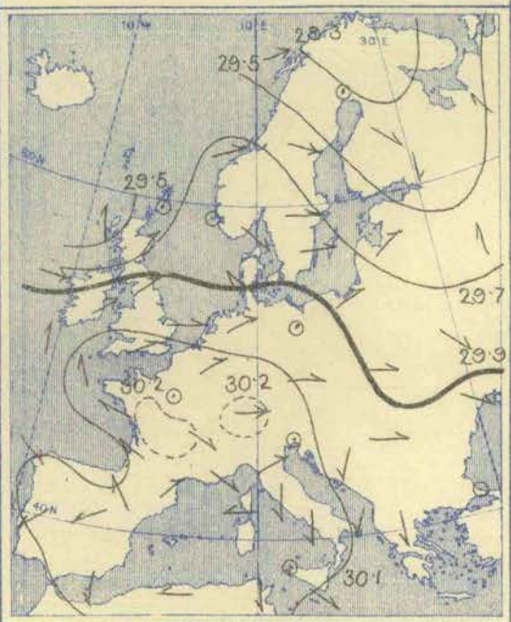


Weather in morning fair or fine over the greater part of Ireland and England, but dull in Scotland, with heavy rain in the north. Fine over France and Spain, as well as in Sweden, but cloudy in most of the other Continental countries, with rain at Bodö, Archangel, and St. Petersburg, and also at Berlin and Cracow. Rain falling later at several of our own western and northern stations, and also in Scandinavia.

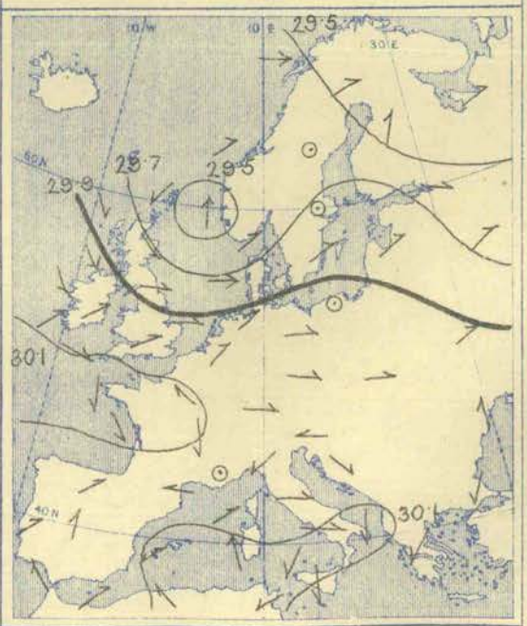
Temperature risen in most countries, but fallen in Scandinavia and Denmark. Morning readings highest, 76° at Barcelona, 73° at Malta and Algiers, and 72° at Bilbao, Patras, and Sfax; above 65° at most of the Mediterranean, Adriatic, and Spanish coast stations, and above 60° over the central parts of Great Britain. Lowest, (1) 38° at Haparanda, 44° at Kuopio, and 46° at Bodö and Karlstad; (2) 46° at Paris and Limoges, and 47° at Le Mans. Rising during day to between 75° and 77° at several of the inland English stations, and to 80° and upwards in many parts of France, Spain, and Italy; reaching 92° at Bordeaux, and 90° at Biarritz.

Barometer and Wind.

8 a.m.



6 p.m.



Wind South-Westerly or Westerly over our Islands generally, but Southerly in Scotland; strong in force on our extreme north-west coasts. Westerly or North-Westerly over Scandinavia, Denmark, and Finland, with a moderate gale at Bodö. Light from the Westward in Germany and Austria, Northerly in Italy, Easterly over the Bay of Biscay and the Spanish Peninsula. Subsequently veering to the Westward or North-Westward on our extreme north and north-west coasts, and increasing to a moderate or fresh gale; strong Southerly winds setting in over the south of Norway.

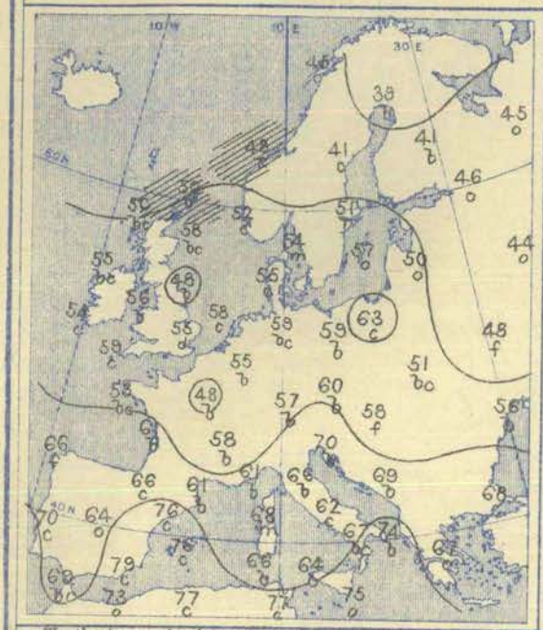
Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone lying over the greater part of southern Europe and the Mediterranean, and extending northwards over France and the south of England. Lowest, 29·3 ins. and less in a depression over Lapland; 29·5 ins. and less in a rather deep disturbance lying off the north-west of Scotland. Latter system subsequently moving eastwards, and barometer rising quickly on our north and north-west coasts.

Wyman & Sons, Lt.ª Lith. 63, Carter Lane.

Thursday, 19th September.

Temperature and Weather.

8 a.m.

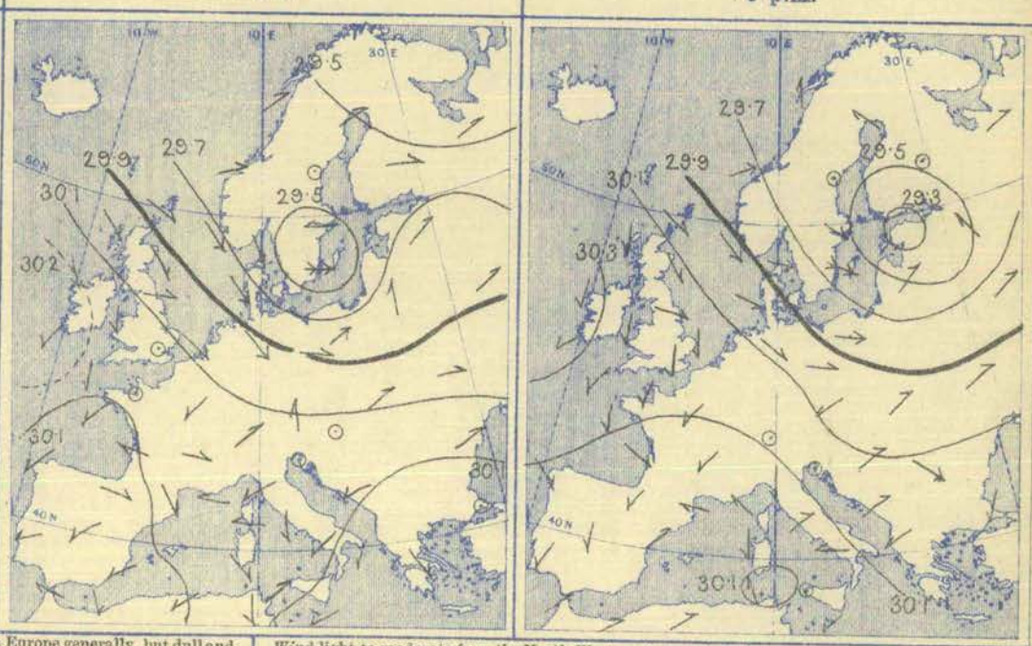


Weather in morning fair or fine over western, central, and southern Europe generally, but dull and misty over England, with slight rain in places. Cloudy and unsettled in the more northern countries, with rain in the south of Sweden, as well as at Christiansund and Copenhagen. Improvement taking place later over all but the south-eastern parts of England, rain falling at several of the Scandinavian stations, and also over northern Russia, heavily over the Gulf of Finland.

Temperature fallen in our Islands, changed rather irregularly elsewhere, but risen in most places. Morning readings highest, 77° at Algiers and Sfax, 76° at Barcelona and Palma, 75° at Malta, and 74° at Brindisi; above 65° over southern Europe generally. Lowest, (1) 39° at Haparanda, 41° at Kuopio and Hernösand, and 44° at Moscow; (2) 47° at Le Mans and Limoges, and 48° at Paris. Rising during day to 65° and upwards at many of our own central and southern stations, but not exceeding 60° in London or at Oxford. Reaching 80° or more in several parts of France and southern Europe, the highest readings of all being 90° at Bordeaux and 89° at Limoges. Ground frost occurring over central England at night.

Barometer and Wind.

8 a.m. 6 p.m.



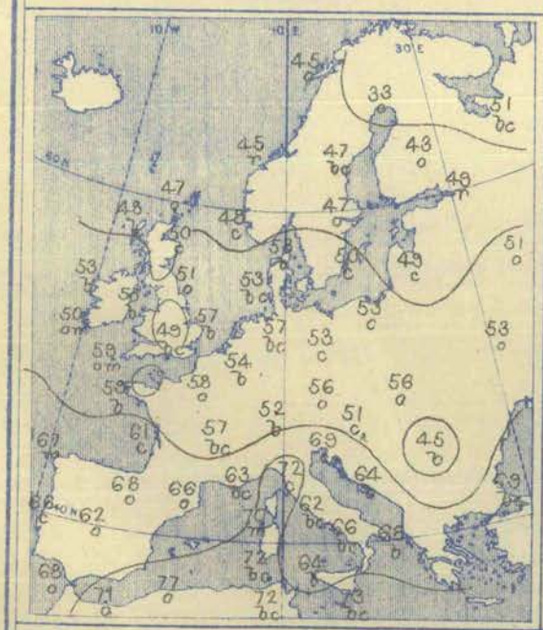
Wind light to moderate from the North-Westward over all the more northern and eastern parts of our Islands, and very strong from the same quarter on the eastern shores of the North Sea: strong from West or South-West over the Baltic, with a gale at Wisby; light from South-West over Russia and the north of Scandinavia; Northerly over the south-western parts of our Islands; Easterly or North-Easterly over the greater part of France, Spain, and Italy. Subsequently veering to the North-Eastward on our own southern coasts; shifting to the Eastward over the Gulf of Finland.

Barometer highest, 30·2 ins. and upwards over the west and south of Ireland; 30·1 ins. and upwards in an anticyclone embracing Ireland, England, and all the more southern parts of the Continent. Lowest, 29·4 ins. and less in a well-marked depression over the south of Sweden: 29·5 ins. and less in a large shallow area over the extreme northern parts of Russia and Scandinavia. Swedish depression subsequently moving eastwards to the Baltic provinces, and barometer continuing to rise in all parts of western Europe.

Friday, 20th September.

Temperature and Weather.

8 a.m.

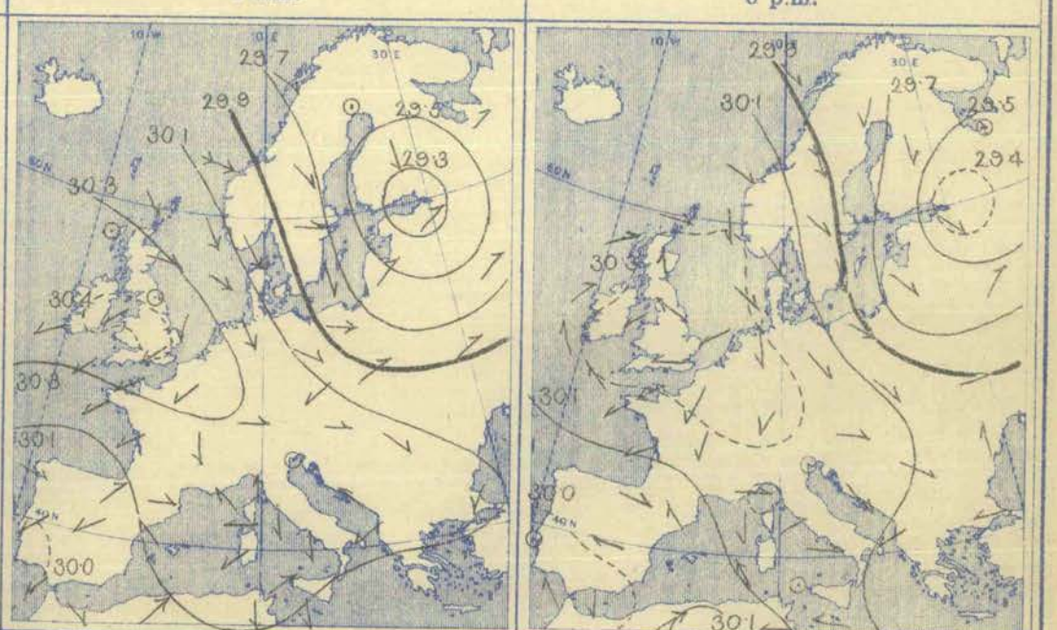


Weather in morning fair or fine over western, central, and southern Europe generally, but foggy over central England, and dull in the north of Scotland and the west of Norway, with rain at Christiansund, cloudy at most of the Russian and Austrian stations, and rainy over the Gulf of Finland. Sky clearing later in all parts of Great Britain. Rain falling in several parts of Russia and Germany, heavily at Memel. Solar halo and aurora seen at Stornoway; thunderstorm at Algiers in afternoon.

Temperature fallen in most places. Morning readings highest, 77° at Algiers, 74° at Barcelona, and 73° at Malta; above 65° at the Mediterranean, Adriatic, and Spanish coasts generally. Lowest, (1) 33° at Haparanda and Uleaborg, 37° at Archangel, and 43° at Kuopio; (2) 42° at Loughborough, and 44° at Oxford, Cambridge, and Parsonstown. Rising during day to between 65° and 69° at most of our own central and southern stations, and to 80° or more in several parts of France, Spain, and Italy; reaching 86° at Bordeaux and La Coubre.

Barometer and Wind.

8 a.m. 6 p.m.

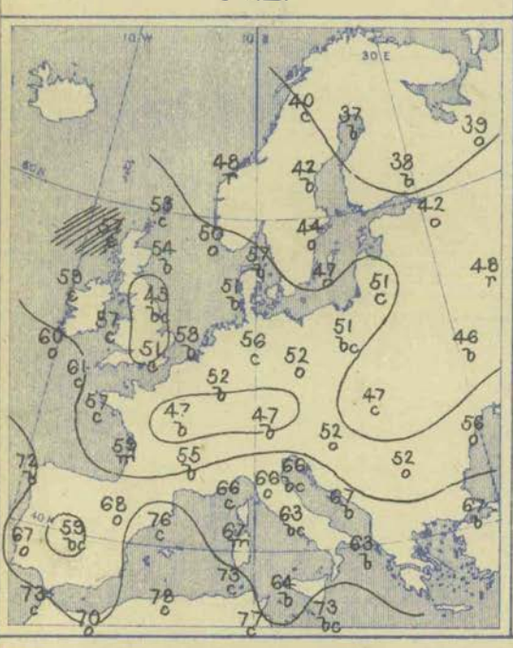


Wind light to moderate from the Eastward or North-Eastward over France, Spain, and the southern parts of our Islands. Calm or variable at our more central stations; light from the Westward or North-Westward in the north and east of Scotland. Fresh or strong from the North-Westward over Scandinavia, Denmark, and the Gulf of Finland; Westerly in Germany and Austria; South-Westerly over the greater part of Russia. Variable in Italy. Wind moderating later in Norway, but gale from North-Westward springing up in Sweden; no important change occurring elsewhere.

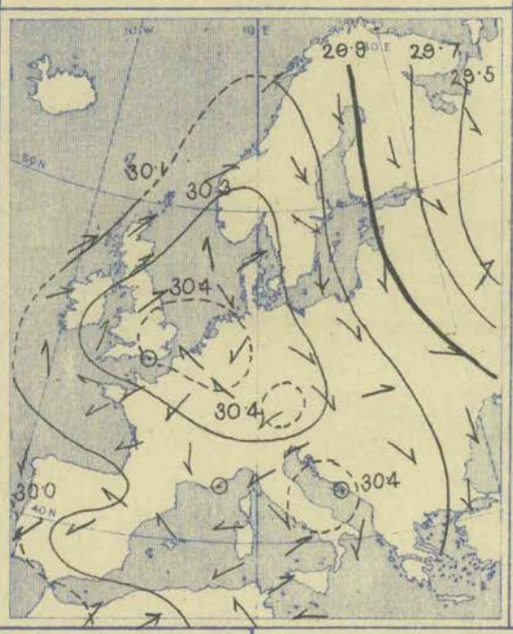
Barometer highest, 30·4 ins. and upwards over the east of Ireland, and the northern and central parts of England; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of western, central, and southern Europe. Lowest, 29·3 ins. and less in a well-marked depression having its centre near St. Petersburg. High and low pressure systems both moving eastwards during day; barometer falling slightly over our Islands and France.

Saturday, 21st September.

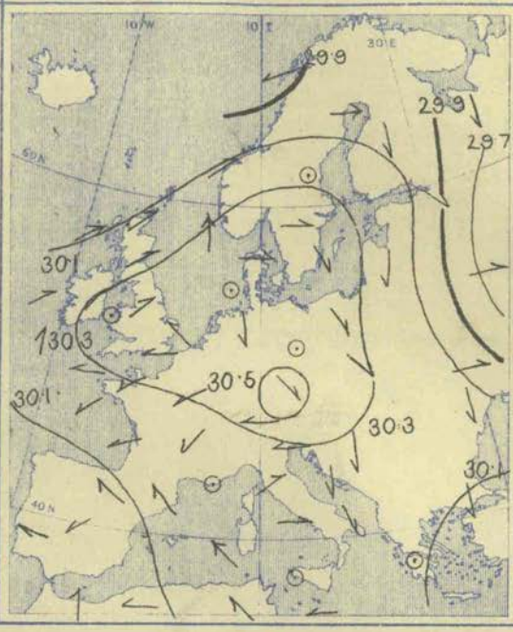
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over the greater part of our Islands and the Continent, but with haze at many of our own central and southern stations, dull in the west of Norway, as well as over the greater part of Russia, with rain at Christiansund, and also at Moscow. Rain falling later in the Shetlands and Hebrides, as well as in the west of Norway, heavily at Bodö; no important change occurring elsewhere.

Temperature risen in Ireland, Scotland, and the west of Norway, as well as at several of the Italian stations; fallen elsewhere. Morning readings highest, 78° at Algiers, 77° at Sfax, 76° at Barcelona, and 73° at San Fernando, Cagliari, and Malta; above 65° in most parts of southern Europe. Lowest, (1) 36° at Uleaborg, 37° at Haparanda, and 39° at Archangel; (2) 41° at Loughborough, and 42° at Leith; (3) 47° at Paris, Le Mans, and Munich. Rising during day to 65° and upwards in many parts of our Islands, and reaching 69° at Jersey; exceeding 80° at several of the French, Spanish, and Italian stations, and reaching 86° at Chassiron and La Coubre. Frost occurring over central England at night.

Wind Easterly or North-Easterly over the south of England and the greater part of France and Spain; light or moderate in force generally, but fresh in the western parts of the Channel. Southerly in Ireland, and South-Westerly in Scotland and the west of Norway; fresh in force on our extreme north-westcoasts. Northerly or North-Westerly over Sweden, Russia, Germany, Austria, and Italy; strong at some of the Swedish stations, with a gale at Wisby. No important change occurring over western Europe during day, but wind subsiding quickly in Sweden.

Barometer highest, 30·4 ins. and upwards over south Germany, and also over the Netherlands and the eastern and central parts of England; 30·1 ins. and upwards in an anticyclone embracing all but the eastern parts of Europe. Lowest, 29·5 ins. and less in a depression over northern and central Russia; gradients moderate over Sweden and Russia, but slight elsewhere. No decided change occurring during day.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➤ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Swede and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country

GENERAL NOTES.

At the beginning of the week, a large anticyclone covered all but the eastern parts of Europe, the central portion of the system being located over Ireland, England, and the north of France. In all the more western countries the wind was light and rather variable, and the weather fine, warm and dry, but over Russia and central Europe, the sky was very cloudy, with rain in many places.

On the 16th, however, the anticyclone began to move southwards and disperse, while depressions appeared first over the north of Scandinavia, and afterwards over the extreme northern parts of the United Kingdom. Westerly (South-West to North-West) winds consequently set in over the north-western countries; and on the 18th and 19th, when the centre of a rather deep disturbance passed eastwards across the north of Scotland and the North Sea to northern Russia; gales were experienced at many of the northern stations, with heavy falls of rain in places.

As the depression passed away, a new anticyclone advanced from the Atlantic, and spread gradually over a considerable portion of Europe. The conditions experienced at the close of the week were therefore very similar to those noticed at its commencement, the wind being light and variable in the western countries and the weather fair. Over southern Europe, the week was fine and dry throughout, with a very high temperature for the time of year; in many parts of Spain and the south of France, the thermometer exceeded 85° on many occasions.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 224.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	28·8	?	33	?	EASTBOURNE	58·9	?	68	?
OSWALDKIRK (Yorkshire)	39·7	?	46	?	MANCHESTER (Oldham Road)	28·4	?	33	?
WORKSOP	44·0	+19·4	51	+23	TENBY		?		?
THURCASTON (Leicestershire)	43·5	+19·6	51	+23	NEWQUAY	59·6	?	69	?
MARGATE	33·1	?	44	?	TORQUAY	41·2*	?	48*	
WESTBOURNE (Sussex)	44·6*	?	52*	?	ARLEY COTTAGE (County Cavan)	24·1	?	28	
BRIGHTON	54·7	?	64	?	GUERNSEY	63·8*	?	74*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt. Lith. 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 39.] *Third Series.* WEEK ENDING SATURDAY, SEPTEMBER 28TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 230.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	76	40	64·6	52·3	58·2	9 above	113	+59	0	− 2	1927	+320	811	+258
	1. SCOTLAND, EAST	79	37	69·5	49·2	58·9	9 above	118	+55	0	− 3	2173	+106	988	+409
	2. ENGLAND, N.E.	82	36	71·5	50·7	60·6	8 above	130	+59	0	− 2	2446	+262	783	+272
	3. ENGLAND, EAST	84	34	75·4	48·2	61·1	7 above	134	+48	0	− 1	2733	+182	854	+282
	4. MIDLAND COUNTIES	86	32	78·5	47·9	62·5	10 above	144	+62	0	− 3	2717	+219	934	+367
	5. ENGLAND, SOUTH	86	43	75·7	56·0	65·5	10 above	165	+70	0	− 1	2894	+146	755	+332
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	75	34	68·1	51·2	59·3	8 above	121	+52	0	− 1	2300*	+178	778	+363
	7. ENGLAND, N.W.	82	39	74·1	53·9	63·5	10 above	151	+79	0	− 1	2532	+237	725	+302
	8. ENGLAND, S.W.	84	37	74·6	54·8	64·2	10 above	155	+71	0	0	2695	+158	654	+337
	9. IRELAND, NORTH	79	35	68·8	52·5	60·2	9 above	127	+56	0	− 1	2383	+122	635	+267
	10. IRELAND, SOUTH	78	40	69·8	52·5	60·7	7 above	131	+50	0	− 1	2571	+ 37	479	+194
	—CHANNEL ISLANDS	85	56	74·2	59·5	66·5	9 above	172	+68	0	0	3055	+201	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 230.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	2	9 less	171	− 5	33·0	− 2·5	22	−15	26	−18	925	− 29	28	− 1
	1. SCOTLAND EAST	1	less than ½	7 less	137	− 8	20·8	− 2·2	44	+13	53	+15	1171	+102	36	+ 3
	2. ENGLAND, N.E.	1	less than ½	6 less	134	0	19·6	+ 0·6	56	+34	67	+40	1266	+202	35	+ 5
	3. ENGLAND, EAST	0	—	6 less	113	−18	16·9	− 1·9	67	+38	81	+46	1506	+221	43	+ 7
	4. MIDLAND COUNTIES	1	1	6 less	110	−19	16·2	− 4·7	60	+35	73	+43	1397	+243	39	+ 7
	5. ENGLAND, SOUTH	1	less than ½	7 less	104	−21	14·7	− 4·8	69	+37	82	+45	1567	+215	43	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	11 less	143	−10	24·2*	−12·1	37	+13	45	+16	1223	+ 68	34	+ 2
	7. ENGLAND, N.W.	2	1	8 less	124	−16	20·6	− 3·9	49	+31	59	+36	1199	+183	37	+ 5
	8. ENGLAND, S.W.	1	1	9 less	112	−31	20·8	− 7·1	60	+30	72	+36	1614	+228	45	+ 7
	9. IRELAND, NORTH	1	1	7 less	155	−11	23·2	− 2·7	40	+18	49	+20	1122	+ 93	32	+ 3
	10. IRELAND, SOUTH	1	1	7 less	130	−21	24·5	− 3·7	50	+24	60	+28	1245	+ 18	35	+ 1
	—CHANNEL ISLANDS	0	—	8 less	125	−28	16·7	− 5·9	59	+25	71	+29	1788	+244	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was extremely fine, dry, and summer-like generally. Thunder and lightning were experienced, however, over Ireland on the 23rd, and over the more southern parts of England on the 24th or 25th, but the storms were accompanied in most places by very little rain.

Temperature was unusually high for the time of year, the excess above the mean being as much as 10° over the greater part of England, and between 7° and 9° elsewhere. In the majority of districts, this week has been warmer than any experienced during the past summer. The highest of the maxima were registered on the 24th at most of the English stations, but towards the end of the period in the Irish and Scotch districts. They were as high as 86° in the Midland Counties and England S., 85° in the Channel Islands, 84° in England E. and S.W., and 82° in England N.E. and N.W., while over Ireland and Scotland the highest readings ranged between 76° and 79°. The lowest of the minima were recorded either on the 22nd or 23rd, when the thermometer fell to 32° in the Midland Counties, 34° in England E. and Scotland W., and to between 35° and 40° in most other districts. The diurnal range of temperature during the first few days of the period was exceedingly large at our inland stations; at Loughborough and Stamford on the 23rd, the range was 48° in less than 12 hours. Later in the week the minima were very high for the time of year.

Rainfall was very slight or altogether absent over the Kingdom as a whole, but a rather considerable fall occurred at one or two central and southern English stations during the thunderstorms of the 24th. In some cases measurable amounts resulted from heavy dews or wet fogs.

Bright Sunshine was still deficient in Scotland N., but was extremely abundant in all other districts. The percentage of the possible amount of duration ranged from 83 in England S., and 81 in England E., and from between 59 and 73 in the other English districts, to 49 in Ireland N., 45 in Scotland W., and to 26 in Scotland N.

Barometer and Wind.—The distribution of pressure was anticyclonic during the entire period, and the winds chiefly light from the Southward and South-Westward in the west and north, and from the Eastward or North-Eastward in the south. At the end of the week calms or very variable winds prevailed over all the more northern and western parts of the Kingdom.

* This value has been altered slightly in consequence of the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 229 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	64	50	60·0	52·0	55·8	+ 6·8	97	0	2	0·06	−0·77	*	*	*	*
	Stornoway	67	46	62·4	52·7	57·3	+ 8·1	107	0	3	0·09	−0·91	9·0	−14·5	11	−18
	Wick	68	45	66·0	52·7	59·0	+ 9·2	119	0	3	0·24	−0·37	*	*	*	*
	Glencarron S	72	45	66·0	50·8	58·0	+ 9·1	112	0	3	0·57	−1·13	*	*	*	*
	Fort Augustus S	76	40	68·8	52·2	60·1	+ 9·8	127	0	2	0·06	−0·88	31·9	?	38	?
	Fort William S	70	46	64·5	53·6	58·8	+ 7·7	118	0	3	0·19	−1·48	24·9	?	30	?
1. SCOTLAND, E.	Nairn	77	37	69·3	47·3	57·8	+ 7·0	111	0	1	0·05	−0·55	*	*	*	*
	Aberdeen	74	40	67·4	49·3	57·9	+ 7·0	111	0	2	0·02	−0·69	37·2	+13·1	45	+15
	Braemar S	73	40	68·8	48·9	58·4	+11·0	115	0	1	0·03	−0·80	43·0†	?†	52†	?†
	Ochtertyre S	74	42	68·9	50·1	59·1	+ 8·5	120	0	1	0·01	−0·85	*	*	*	*
	Leith	74	41	69·1	47·7	57·9	+ 5·3	111	0	1	0·07	−0·43	*	*	*	*
	Marchmont S	79	41	73·6	52·0	62·3	+12·4	142	0	0	—	−0·75	51·8	?	62	?
2. ENGLAND, N.E.	Alnwick Castle	72	40	67·3	50·1	58·3	+ 7·6	114	0	1	0·01	−0·63	*	*	*	*
	Durham	78	36	74·1	49·8	61·4	+10·0	136	0	3	0·05	−0·53	56·0	+34·5	67	+40
	Shields	79	43	71·9	51·4	61·2	+ 9·1	134	0	1	0·01	−0·62	*	*	*	*
	Scarborough M												*	*	*	*
	York	82	37	78·9	47·1	62·2	+ 9·5	141	0	0	—	−0·60	54·5	+33·3	66	+40
	Spurn Head	70	50	65·4	55·0	60·0	+ 5·7	126	0	0	—	−0·60	*	*	*	*
3. ENGLAND, E.	Hillington M	83	35	78·3	49·0	62·9	+ 9·8	146	0	0	0·02‡	−0·60	67·0	+41·6	81	+51
	Yarmouth	72	42	66·7	54·7	60·4	+ 6·0	129	0	0	—	−0·70	*	*	*	*
	Geldeston	80	36	74·5	44·7	58·8	+ 4·7	118	0	0	—	−0·60	67·5	+36·5	81	+44
	Cambridge	84	34	80·4	44·9	61·8	+ 7·8	139	0	0	—	−0·52	64·4	+35·6	78	+44
	Rothamsted	81	35	76·9	47·5	61·5	+ 8·6	137	0	0	0·03‡	−0·64	68·6	?	83	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	83	33	80·0	44·4	61·4	+ 8·8	136	0	0	—	−0·63	*	*	*	*
	Loughborough	86	32	82·1	43·7	61·9	+ 8·5	139	0	1	0·05	−0·60	*	*	*	*
	Stamford (Ketton Hall)	85	32	81·4	43·7	61·6	+ 8·2	137	0	1	0·01	−0·68	*	*	*	*
	Cheadle M	79	45	75·3	54·4	64·4	+13·0	157	0	1	0·07	−0·69	*	*	*	*
	Solihull	83	35	79·0	48·6	63·1	+10·1	148	0	1	0·06	?	*	*	*	*
	Churchstoke M	80	34	75·4	48·7	61·4	+10·0	136	0	2	0·21	−0·67	53·8	+28·0	65	+34
	Hereford M	83	34	78·4	47·3	62·1	+ 9·0	141	0	2	0·49	−0·18	*	*	*	*
	Cirencester	81	43	75·7	52·6	63·6	+11·2	151	0	1	0·07	−0·70	64·6	+30·9	78	+48
	Oxford	83	36	79·4	47·9	62·9	+ 9·1	146	0	2	0·14	−0·51	66·8	+39·8	80	+46
5. ENGLAND, S.	London	86	45	81·7	53·4	66·9	+12·0	174	0	0	—	−0·60	53·3†	+30·8†	64†	+37†
	North Foreland	81	50	70·1	58·0	63·8	+ 8·0	153	0	0	—	?	*	*	*	*
	Strathfield Turgiss M												*	*	*	*
	Dungeness	74	43	70·4	56·1	62·9	+ 7·1	146	0	0	—	−0·68	*	*	*	*
	Hastings (St. Leonards)	82	51	75·7	59·4	67·2	+11·0	176	0	0	—	−0·71	74·4	+40·6	90	+50
	Southampton	83	43	79·5	53·8	66·0	+10·9	168	0	1	0·10	−0·67	69·6	+38·6	84	+48
	Hurst Castle	77	47	74·9	56·9	65·5	+ 9·7	165	0	1	0·01	−0·71	*	*	*	*
	Stowell M	81	46	77·6	54·4	65·4	+12·5	164	0	2	0·08	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	74	51	67·3	55·6	61·2	+ 9·9	134	0	3	0·22	−1·48	*	*	*	*
	Glasgow	73	39	67·6	50·9	58·9	+ 8·1	118	0	1	0·01	−0·59	29·0	+ 9·4	35	+11
	Ardrossan	75	45	67·6	51·9	59·4	+ 6·8	122	0	1	0·01	−0·88	*	*	*	*
	Glenlee S	74	34	69·7	47·7	58·2	+ 7·8	113	0	3	0·07	−1·21	*	*	*	*
	Douglas (Isle of Man)	75	39	68·3	50·1	58·8	+ 6·5	118	0	3	0·07	−0·85	44·9	+16·8	54	+20
7. ENGLAND, N.W.	Stonyhurst	75	42	71·3	52·4	61·6	+ 9·6	137	0	3	0·16	−1·04	47·2	+23·4	57	+27
	Blackpool M	82	42	77·4	52·4	64·2	+11·7	156	0	1	0·07	−0·82	5 ·6	+27·4	62	+32
	Manchester (Prestwich)	80	39	76·1	51·9	63·4	+11·0	150	0	1	0·02	−0·88	47·6	?	57	?
	Liverpool Obsy. (Bidston)	79	45	74·9	54·0	64·0	+10·2	154	0	2	0·13	−0·74	*	*	*	*
	Llandudno M	82	48	74·7	57·9	65·9	+11·3	167	0	1	0·03	−0·74	63·1	+41·8	76	+50
	Holyhead	74	47	69·4	55·0	61·9	+ 7·1	139	0	2	0·03	−0·78	*	*	*	*
8. ENGLAND, S.W.	Llandovery	83	37	80·4	50·0	64·5	+11·2	158	0	1	0·01	−1·14	*	*	*	*
	Pembroke	74	50	68·6	57·6	62·3	+ 8·2	146	0	0	—	−0·91	54·4	+25·6	66	+31
	Bristol (Montpelier)	84	40	80·5	52·0	65·6	+12·1	165	0	2	0·24	−0·60	*	*	*	*
	Arlington (N. Devon)	81	44	76·4	55·1	65·2	+11·8	162	0	2	0·15	−1·00	*	*	*	*
	Cullompton M	82	42	78·4	49·2	63·1	+ 9·7	148	0	0	—	−0·90	66·0	+39·2	80	+47
	Falmouth	70	56	66·9	58·9	62·7	+ 7·3	145	0	2	0·09	−1·15	53·7	+24·8	65	+29
	Plymouth	79	53	73·7	56·9	64·9	+ 9·3	160	0	2	0·02	−0·86	60·0	+32·0	72	+35
	Prawle Point	75	55	71·9	59·0	65·1	+10·0	162	0	0	—	−0·68	*	*	*	*
9. IRELAND, N.	Malin Head	71	52	65·3	56·7	60·8	+ 9·4	132	0	1	0·21	?	*	*	*	*
	Londonderry	79	45	72·3	53·1	62·2	+10·2	141	0	2	0·17	−0·83	*	*	*	*
	Edenfel (Omagh)	74	36	69·0	52·3	60·3	+ 9·4	128	0	1	0·13	−0·73	*	*	*	*
	Belmullet	70	50	66·1	55·7	60·7	+ 5·9	131	0	1	0·02	?	*	*	*	*
	Markree Castle	74	35	70·4	50·8	60·1	+ 8·8	127	0	3	0·15	−0·61	36·5	+16·3	44	+18
	Brookeborough	77	38	71·3	51·8	61·1	+10·8	134	0	1	0·09	−0·80	*	*	*	*
	Armagh	76	38	71·2	50·6	60·9	+ 9·6	132	0	1	0·04	−0·58	41·4	+19·4	50	+23
	Donaghadee	70	39	64·1	50·1	56·8	+ 6·3	104	0	2	0·06	−0·64	*	*	*	*
	Edgeworthstown	76	38	69·1	50·4	59·3	+ 8·2	121	0	1	0·07	−0·66	*	*	*	*
10. IRELAND, S.	Dublin	71	43	68·2	53·0	60·2	+ 6·8	127	0	0	—	−0·55	54·3	+27·1	65	+32
	Parsonstown	77	40	73·0	49·1	60·5	+ 8·6	130	0	1	0·02	−0·70	50·0	+25·2	60	+30
	Kilkenny	77	43	70·4	52·1	60·8	+ 7·7	132	0	1	0·02	−0·62	*	*	*	*
	Roche's Point	73	52	66·1	55·7	60·7	+ 6·1	131	0	3	0·17	−0·73	*	*	*	*
	Valencia	78	43	69·3	51·7	60·1	+ 5·1	127	0	1	0·02	−1·14	46·8	+21·8	56	+24
	Killarney	76	46	71·9	53·1	62·1	+ 8·5	141	0	?	?	?	*	*	*	*
	Foynes	72	49	69·8	52·5	60·7	+ 8·0	131	0	1	0·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	71	56	68·4	59·3	63·6	+ 6·9	151	0	0	—	−0·85	55·2	?	67	?
	Jersey	85	57	79·9	59·7	69·3	+11·2	191	0	0	—	−0·77	59·9	+24·9	72	+29

Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

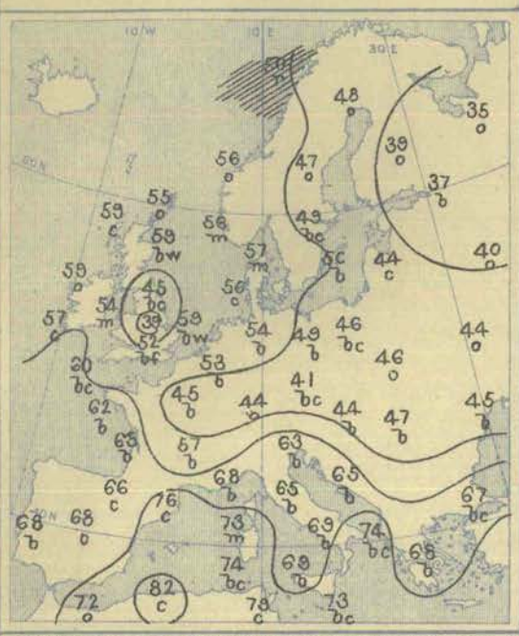
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

‡ Dew.

Sunday, 22nd September.

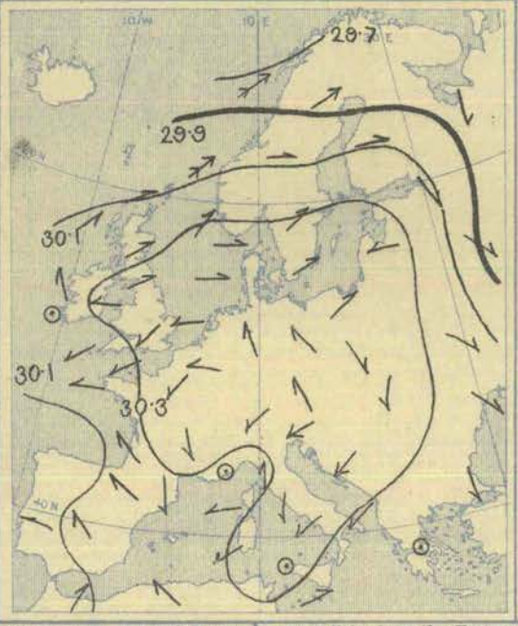
Temperature and Weather.

8 a.m.

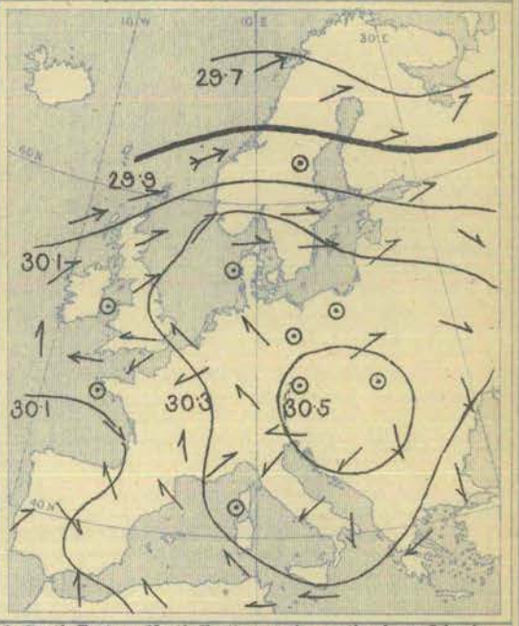


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over western, central, and southern Europe generally, but with fog or mist in several parts of England and Ireland, dull in the extreme north and north-west of our Islands, as well as at many of the Scandinavian and Russian stations, with rain at Bodö and Ulcaborg. Considerable fall of rain taking place later in the west of Norway, and slight amounts in the extreme northern parts of Sweden and Russia generally. Aurora seen at Wick at night, and lightning at Biarritz.

Temperature fallen a few degrees over the central and eastern parts of the Continent, but risen in most other regions. Morning readings highest, 82° at Algiers, 79° at Sfax, 76° at Barcelona, 75° at Aumale, and 74° at Brindisi; above 65° over southern Europe generally; above 60° at the English Channel stations, and very little below it in the north of Scotland. Lowest, (1) 35° at Archangel, 37° at St. Petersburg, and 39° at Kuopio and Helsingfors; (2) 39° at Loughborough, and 41° at Oxford and Cambridge. Rising during day to 70° and upwards over the central parts of England; exceeding 80° in France, Spain, and many parts of Italy, the highest reading of all being 91° at Biarritz.

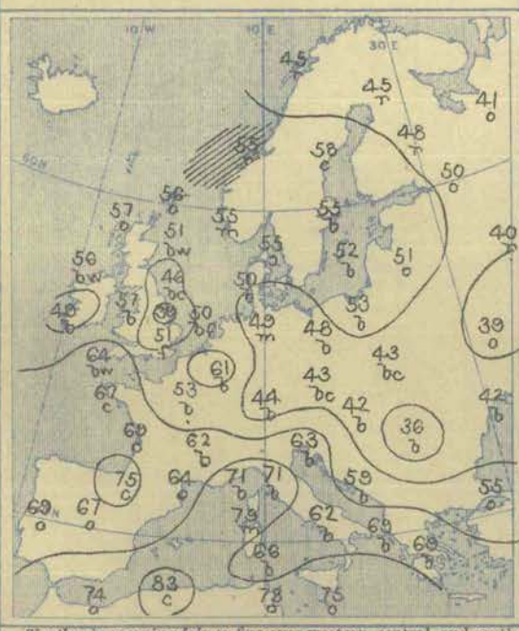
Wind light from the Eastward (South-East to North-East) over the south of our Islands, France, and the greater part of southern Europe. Southerly over the northern parts of England and Ireland; South-Westerly in Scotland, and also in Scandinavia and Finland, with a fresh gale in the west of Norway. Light from the Northward or North-Westward in Russia; variable in Germany and Austria. No important change occurring during day.

Barometer highest, 30·5 ins. and upwards over the greater part of Germany and Austria; 30·1 ins. and upwards in an anticyclone embracing all but the extreme northern and south-western parts of Europe. Lowest, 29·7 ins. and less in a depression lying off the extreme north-west of Norway; gradients moderate to rather steep over northern Europe generally. Very little change occurring later, but depression in far north moving slowly eastwards.

Monday, 23rd September.

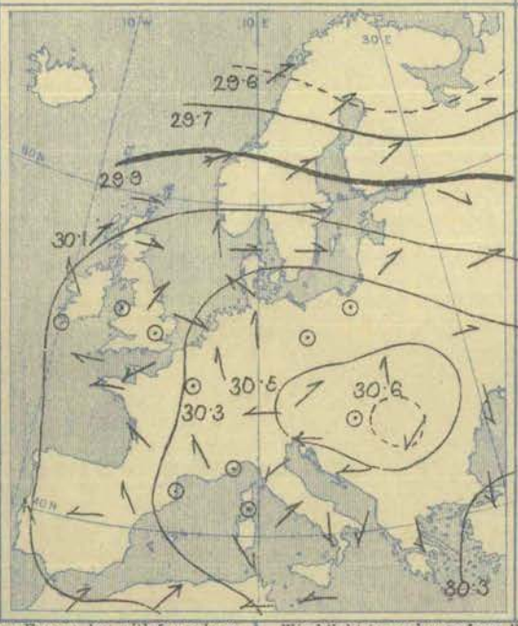
Temperature and Weather.

8 a.m.

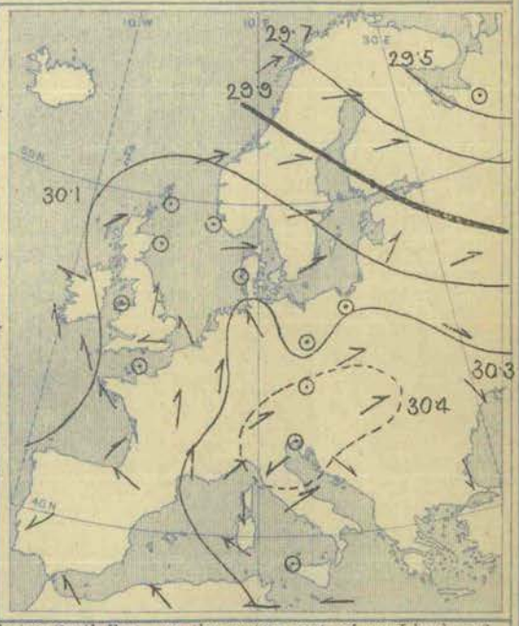


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over western, central, and southern Europe, but with fog or haze at many of the English and Irish stations. Rainy in the west of Norway, as well as in many parts of northern and central Russia; dull over the Spanish Peninsula. Thunderstorms occurring in evening or night at nearly all the Irish stations; thunder heard at Holyhead, and lightning seen at Prawle Point, as well as at Biarritz, Bordeaux, and Nemours.

Temperature risen over France and the south of England, as well as in Sweden and northern Russia, but fallen in most other localities. Morning readings highest, 85° at Algiers, and 79° at Bilbao and Sanguinaire; above 65° at the Mediterranean and Spanish coast stations generally, and also over the Bay of Biscay, and the western parts of the English Channel. Lowest, (1) 36° at Hermanstadt and Kharkov, 39° at Kiev, and 40° at Moscow and Cracow; (2) 39° at Loughborough, 42° at Cambridge, and 44° at Parsonstown. Rising during day to 75° and upwards in many parts of the United Kingdom, to 79° in London, and to 81° at Loughborough. Reaching 80° and upwards at most of the French, Spanish, and Italian stations, and touching 90° at Biarritz, Limoges, and Clermont.

Wind light to moderate from East or South-East over the western parts of our Islands and France, and also over the Spanish Peninsula. Calm or variable over the eastern and central parts of England and France, but Southerly in the Netherlands. South-Westerly or Westerly in Scotland, Scandinavia, and northern Russia, with a strong gale at Christiansund. Northerly in the south of Russia. Calm or variable over Germany and Austria; rather variable, but chiefly North-Easterly in Italy. No important change occurring during day, but gale at Christiansund gradually subsiding.

Barometer highest, 30·5 ins. to 30·6 ins. over Austria and South Germany; 30·1 ins. and upwards in an anticyclone covering all but the most northern parts of Europe. Lowest, 29·6 ins. and less over Lapland. Slight fall of barometer taking place during day over our Islands and France, but general distribution of pressure remaining unchanged.

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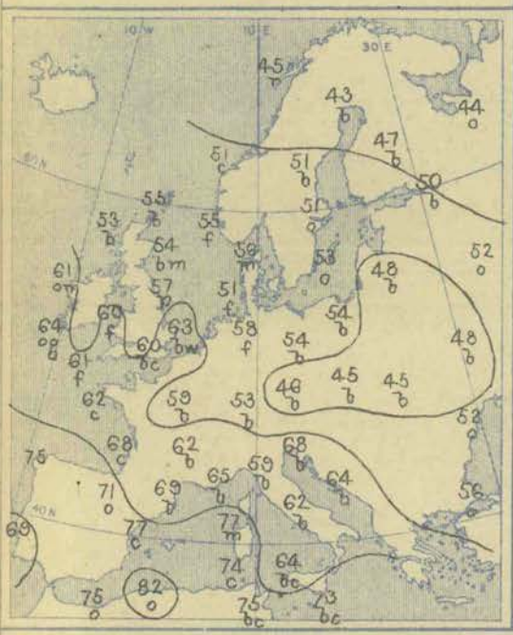
Tuesday, 24th September.

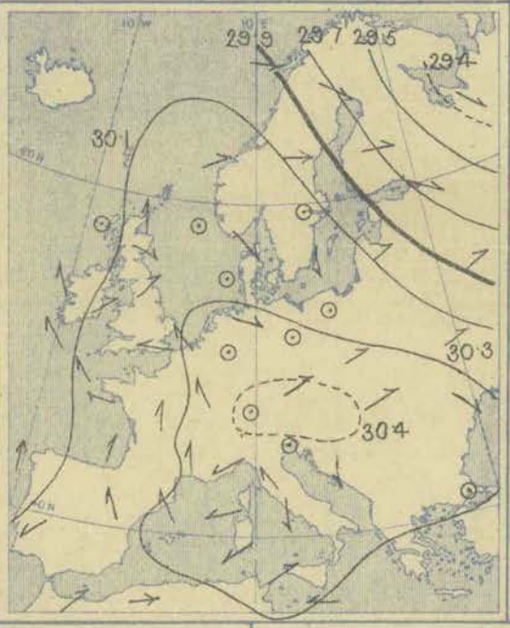
Temperature and Weather.

8 a.m.

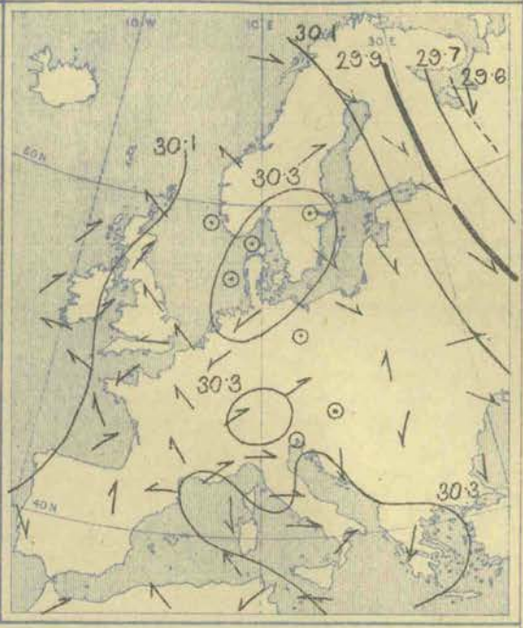


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over nearly the whole of Great Britain and the Continent, but with fog or haze in many places. Cloudy or overcast in Ireland, with rain at Donaghadee, dull in some parts of central Russia, and rainy at Bodö. Showers falling later at several of our own northern stations, thunder and lightning occurring over the south of England at night, with slight rain in places. Thunderstorms reported also at Lorient, La Coubre, and Nemours.

Temperature risen quickly over England and central Ireland, and less decidedly over Germany and the central and southern parts of Russia. Morning readings highest, 82° at Algiers, 77° at Barcelona and Sanguinaire, and 75° at Corunna, Nemours, and Sfax; above 65° over southern Europe generally, and also at some of the English Channel stations. Lowest, (1) 43° at Haparanda, and 44° at Archangel; (2) 44° at Buda-Pesth, and 45° in Poland; (3) 47° at Nairn. Rising during day to 80° and upwards in many parts of England, France, and Spain, reaching 86° in London and at Loughborough, 89° at Paris, and 91° at Biarritz.

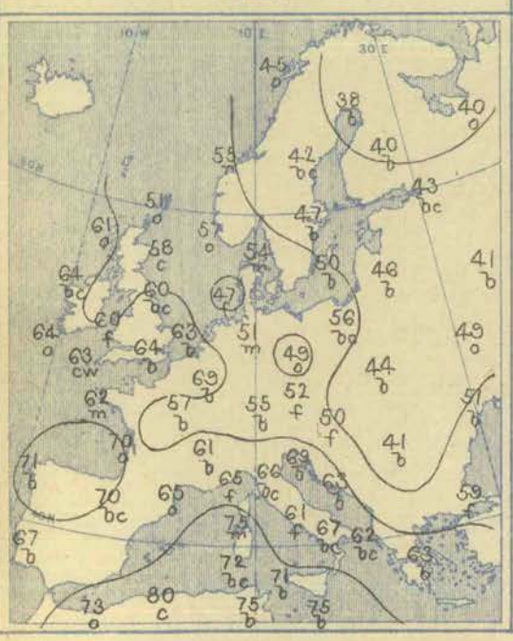
Wind light from the Southward or South-Eastward over the greater part of our Islands, France, and the Netherlands, but calm at several of the Scotch stations. Westerly or North-Westerly over Russia and the northern parts of Scandinavia; calm or variable over Denmark, Germany, and Austria. Variable also in Italy. No important change occurring during day.

Barometer highest, 30·4 ins. and upwards over Austria and south Germany, as well as in some parts of Italy; 30·1 ins. and upwards in an anticyclone embracing all but the extreme western and northern parts of Europe. Lowest, 29·4 ins. and less in a well-marked depression over northern Russia. Very little change occurring over western Europe during day, but barometer falling slightly in most places. Depression over northern Russia moving eastwards.

Wednesday, 25th September.

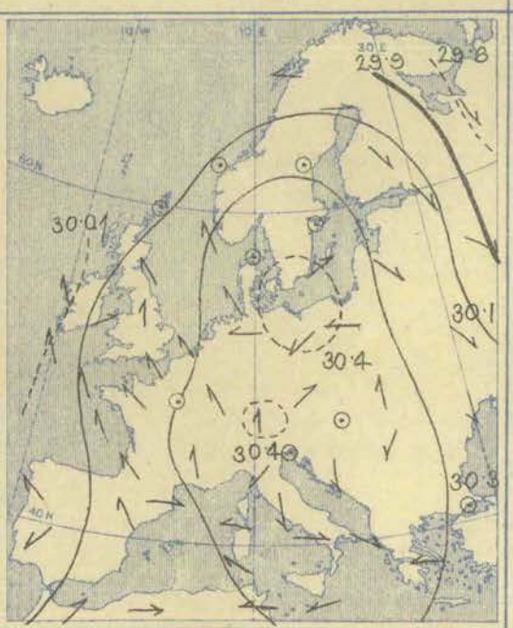
Temperature and Weather.

8 a.m.

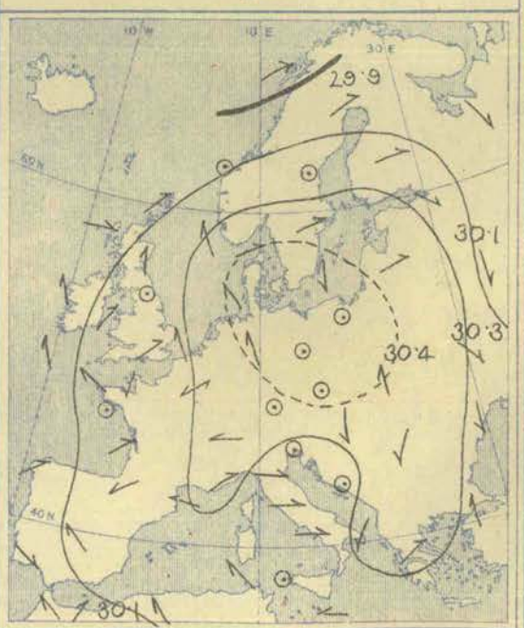


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over England and the greater part of the Continent, but with fog or mist in places. Cloudy in Ireland, Scotland, and the west of Norway, with rain at Leith and Roche's Point, as well as at Christiansund. Slight rain falling later in the extreme north of Scotland, and a considerable quantity at Bodö. Solar halo seen at Jersey during day; thunder and lightning occurring at Prawle Point at night, and lightning only at Pembroke, and also at Biarritz. Aurora seen at Wick.

Temperature risen in most parts of our Islands, fallen in France, and also in Sweden and northern Russia. Morning readings highest, 80° at Algiers, 77° at Bilbao, 76° at Barcelona, and 75° at Tunis; above 65° on the south-east coasts of England. Lowest, 38° at Haparanda, 39° at Uleaborg, 40° at Archangel and Kuopio, and 41° at Moscow. Rising during day to 77° at Nairn, and to between 80° and 83° at many of the English stations. Exceeding 85° in some parts of France and Spain, and reaching 90° at Le Mans and Charleville.

Wind light to moderate from the South-Eastward or Southward over western Europe generally, but rather variable at the English Channel stations. Calm or variable over Scandinavia, and also over Austria and south Germany. Light from East or North-East over north Germany. Northerly or North-Westerly in Russia, and also over the greater part of Italy. No important change occurring during day.

Barometer highest, 30·4 ins. and upwards over the Baltic and its immediate neighbourhood, and also over south Germany; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of Europe. Lowest, 29·8 ins. and less over Northern Russia; 30·0 ins. and less in the west of Ireland. Barometer rising during day in the west and south of our Islands, but falling slightly in most other parts of western Europe; rising considerably over northern Russia.

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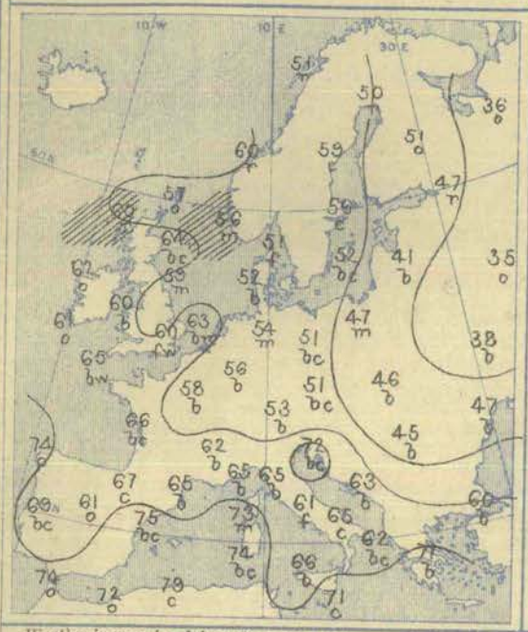
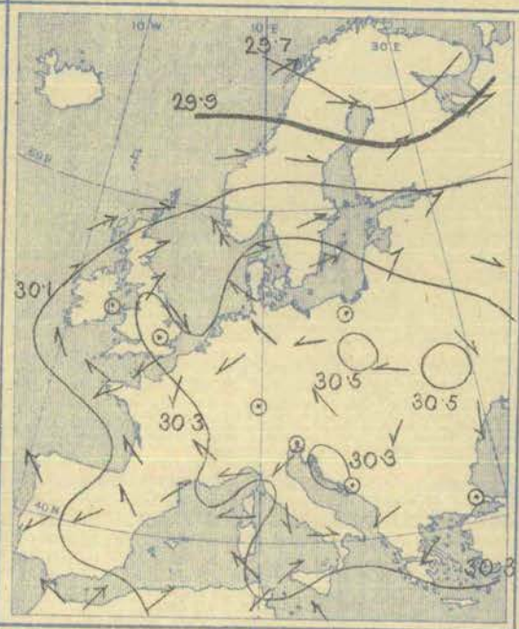
Thursday, 26th September.

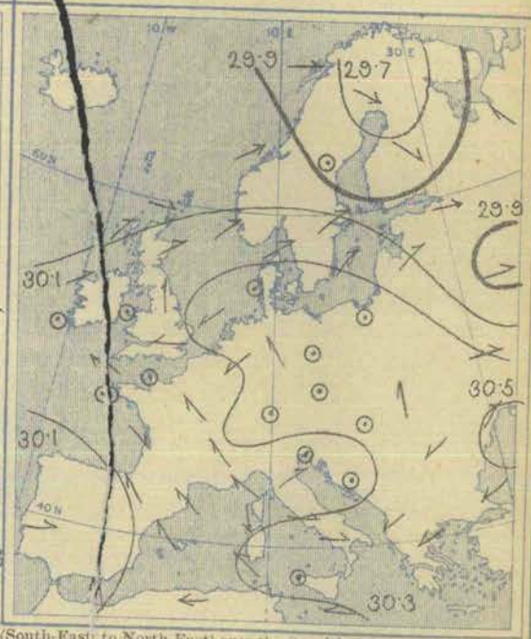
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western, central, and southern Europe generally, but with fog or haze in many places. Dull in the extreme north and north-west of our Islands, and also in many parts of Scandinavia and northern Russia; rain falling in the Hebrides and the west of Norway, as well as at Ulcaborg and St. Petersburg. Showers occurring later in the north of Scotland generally, and also at Liverpool, but weather remaining fine and dry in nearly all other parts of Europe.

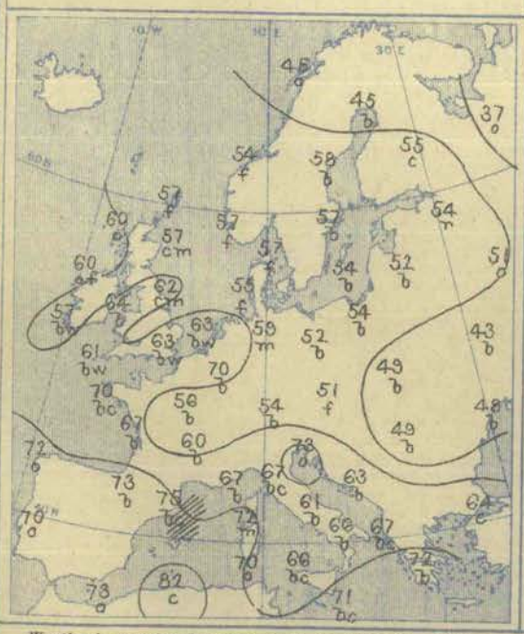
Temperature risen in the northern parts of our Islands and the Continent, changed rather irregularly elsewhere, but fallen in most places. Morning readings highest, 79° at Algiers, 78° at Bilbao, and 75° at Barcelona and Sfax; above 70° at most of the Mediterranean and Spanish coast stations, and above 65° over the English Channel and the Bay of Biscay, as well as at Leith. Lowest, 35° at Moscow, 86° at Archangel, 38° at Kiev and Kharkov, and 40° at Warsaw. Rising during day to 75° and upwards over central Ireland, and to 80° and upwards in many parts of England, France, Belgium, and southern Europe; reaching 85° in London, 86° at Brussels, 88° at Paris and Biarritz, and 96° at Charleville.

Wind light from the Eastward (South-East to North-East) over the Spanish Peninsula, France, the Netherlands, and the south and south-west of our Islands. Southerly or South-Westerly over the northern parts of the United Kingdom, and also in the south of Norway, with a gale at Skudesnaes; South-Westerly or Westerly over Scandinavia and northern Russia generally. North-Westerly or Northerly in the south of Russia. Calm over the southern parts of Germany; variable in Austria and Italy. No important change occurring over western Europe during day.

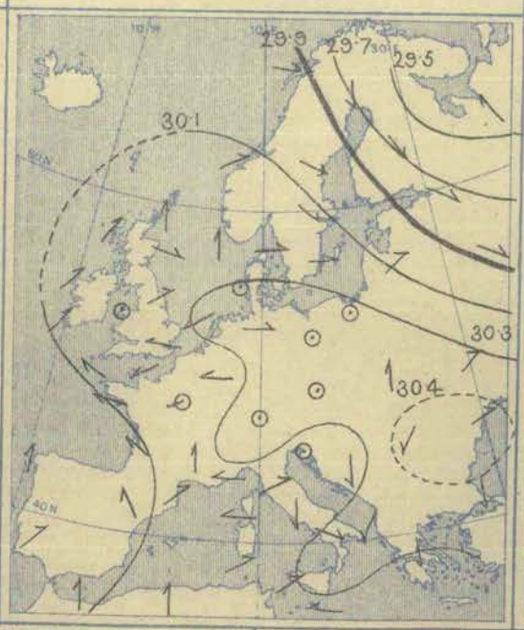
Barometer highest, 30·4 ins. and upwards over a considerable portion of central and south-eastern Europe; 30·1 ins. and upwards in an anticyclone embracing all but the extreme south-western, north-western, and northern parts of the Continent. Lowest, 29·7 ins. and less over Lapland. Changes in pressure over western Europe during day very slight and irregular; depression over Lapland spreading slowly southwards.

Friday, 27th September.

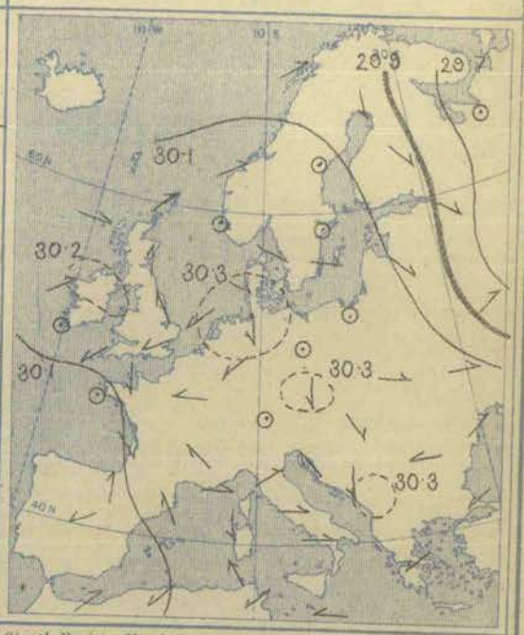
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over nearly the whole of our Islands and the Continent, but with fog or haze in many places. Dull in the western parts of the Spanish Peninsula, and also in many parts of northern Russia, with rain at St. Petersburg. Heavy rain falling later in the west of Norway, but weather remaining fine and dry in nearly all other parts of Europe. Lightning seen in evening or night at Lyons and Biarritz.

Temperature changed very irregularly. Morning readings highest, 82° at Algiers, 80° at Bilbao, 75° at Barcelona, and 73° at Biarritz, Trieste, and Oran; above 65° at the Mediterranean and Spanish coast stations generally, as well as over the Bay of Biscay and the English Channel, slightly above 60° in many parts of the United Kingdom. Lowest, (1) 37° at Archangel, and 45° at Bodö and Haparanda; (2) 42° at Warsaw, 43° at Kiev, and 44° at Cracow. Rising during day to 75° and upwards in some parts of Ireland and Scotland, and to 80° and upwards over the inland parts of England; reaching 84° in London and at Loughborough. Exceeding 85° at many of the French stations, and reaching 91° at Biarritz.

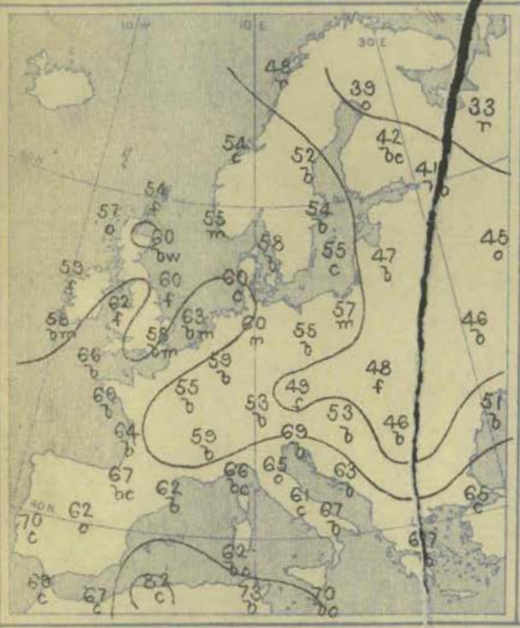
Wind light from the Eastward (South-East to North-East) over the greater part of England and France, rather variable over the northern parts of our Islands, but chiefly South-Westerly. Westerly or North-Westerly at most of the Scandinavian and Russian stations; calm or variable over Austria, Germany, and the central and southern parts of France; varying between West and North in Italy. Southerly over the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·3 ins. to 30·4 ins. and upwards over the greater part of central and south-eastern Europe; 30·1 ins. and upwards in an anticyclone covering all but the extreme northern and north-eastern parts of the Continent. Lowest, 29·5 ins. and less in a depression over northern Russia. Russian depression subsequently moving away to the eastward, and barometer rising briskly over northern Europe.

Saturday, 28th September.

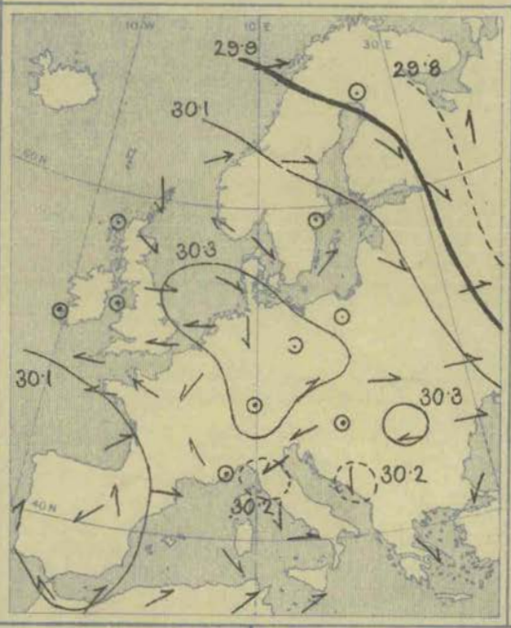
Temperature and Weather.

8 a.m.

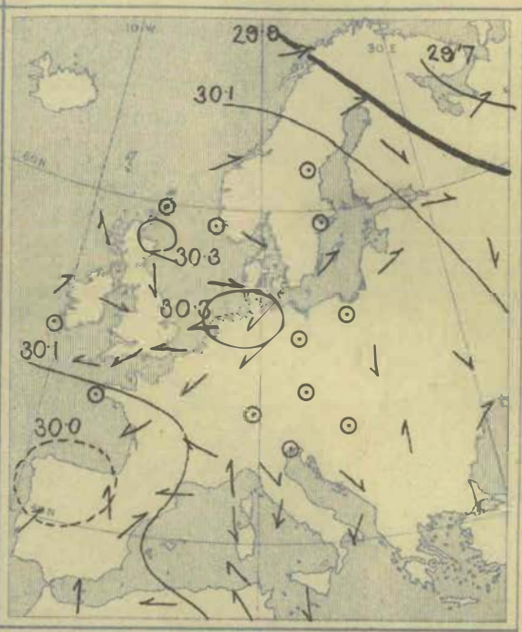


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over Europe generally, but with fog or haze in many parts of the United Kingdom, as well as in Denmark and Germany. Cloudy over the Spanish Peninsula, and rainy in the extreme northern parts of Scandinavia and Russia. Fog continuing all day at some of our own north-western stations, but weather clearing in other parts of the Kingdom. Rain falling in the west of Norway, and also at Biarritz and Lisbon, lightning seen at Lyons in evening, and thunderstorms occurring at Nice and Cape Bearn.

Temperature fallen a little in most countries, but risen in Denmark, Germany, Italy, and the south of Russia. Morning readings highest, 82° at Algiers, 75° at Barcelona, 73° at Tunis and Sfax, and 70° at Lisbon and Malta; above 65° at the Mediterranean, Adriatic, and Spanish coast stations generally, and also over the English Channel. Lowest, 38° at Archangel, 39° at Ulealeborg, 41° at St. Petersburg, and 42° at Kuopio. Rising during day to 78° at Valencia (Ireland), and to 80° and upwards over the inland parts of England; reaching 85° at Loughborough. Exceeding 85° at several of the French stations, and rising to 91° at Biarritz.

Wind light to moderate from the Eastward or North-Eastward over the south of England, the Netherlands, and the north of France; South-Easterly over Spain and the southern parts of France. Calm or variable over the northern and central parts of the United Kingdom, as well as in Germany, Austria, and Italy. Strong from the Westward in the west of Norway; light from the North-Westward over Denmark and Russia. No important change occurring over western Europe during day.

Barometer highest, 30·3 ins. and upwards over Germany, the Netherlands, and the southern parts of the North Sea; 30·1 ins. and upwards in an anticyclone covering all but the extreme northern, eastern, and south-western parts of Europe. Lowest, 29·8 ins. and less over northern and central Russia; 30·0 ins. and less in a shallow depression off the Portuguese coasts. Slight fall of barometer taking place over western Europe during day; Portuguese depression spreading north-eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; ⟶ = a gale, ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During this week a large anticyclone covered all but the extreme northern and eastern parts of Europe, its highest portion being situated, as a rule, over the more central countries. The wind was, therefore, light in force from the Eastward or South-Eastward over England and France, but from the South-Westward or Westward over the northern parts of our area. Thick fogs and heavy dews were experienced in many of the inland districts at night, but in the daytime the sun shone with unusual power; over England the thermometer in the shade exceeded 80° on most days, while in France and Spain it exceeded 85°. On the 23rd, when a shallow depression moved outside our western coasts, thunderstorms were very general in Ireland, while on the 24th, when some very small disturbances advanced from the southward, similar weather was experienced in the south of England.

Over Northern Europe the weather was affected by depressions moving eastwards across the extreme northern parts of Scandinavia and Russia. These occasioned strong Westerly winds in many places, with frequent rain, especially in the west of Norway, where the total amount for the week was very considerable.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 230.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week
EDINBURGH	42·1	?	51	?	EASTBOURNE	73·9	?	89	?
OSWALDKIRK (Yorkshire)	55·8	?	67	?	MANCHESTER (Oldham Road)	37·2*	?	43*	?
WORKSOP	55·4	+32·6	67	+40	TENBY		?		?
THURCASTON (Leicestershire)	61·1	+39·1	74	+47	NEWQUAY		?	74	?
MARGATE	65·6	?	79	?	TORQUAY	63·2*	?	76*	?
WESTBOURNE (Sussex)	73·2*	?	88*	?	ARLEY COTTAGE (County Cavan)	42·9	?	52	?
BRIGHTON	70·2	?	85	?	GUERNSEY	60·8*	?	73*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 40.] *Third Series.* WEEK ENDING SATURDAY, OCTOBER 5TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 236.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	75	31	57·9	42·8	50·1	2 above	57	+11	0	− 4	1984	+331	811	+254
	1. SCOTLAND, EAST	74	31	56·8	41·2	48·8	0 (average)	51	− 3	2	− 2	2224	+103	990	+407
	2. ENGLAND, N.E.	83	33	60·4	44·9	52·4	2 above	73	+12	0	− 2	2519	+274	783	+270
	3. ENGLAND, EAST	78	33	65·7	45·4	55·3	3 above	93	+25	0	− 3	2826	+207	854	+279
	4. MIDLAND COUNTIES	79	33	64·0	44·0	53·7	3 above	82	+17	0	− 5	2799	+227	934	+332
	5. ENGLAND, SOUTH	79	36	66·1	49·5	57·6	4 above	109	+33	0	− 2	3003	+179	755	+330
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	74	35	59·4	44·3	51·6	1 above	67	+ 8	0	− 3	2367	+186	778	+360
	7. ENGLAND, N.W.	81	37	62·8	47·9	55·2	3 above	92	+31	0	− 1	2624	+268	725	+301
	8. ENGLAND, S.W.	79	31	64·6	49·4	56·8	4 above	104	+32	0	− 1	2799	+190	654	+335
	9. IRELAND, NORTH	78	35	59·9	44·8	52·1	2 above	71	+10	0	− 1	2454	+132	635	+266
	10. IRELAND, SOUTH	77	36	61·5	46·2	53·6	1 above	81	+10	0	− 1	2652	+ 47	479	+193
	—CHANNEL ISLANDS	78	48	66·0	55·9	60·8	5 above	132	+38	0	0	3187	+239	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 236.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	23	12 more	176	− 6	35·3	− 1·4	33	+14	42	+17	958	− 16	29	0
	1. SCOTLAND EAST	5	16	9 more	142	− 8	22·4	− 1·3	30	+11	38	+14	1201	+112	36	+ 3
	2. ENGLAND, N.E.	3	5	1 less	137	− 1	20·1	+ 0·5	29	+11	36	+14	1295	+214	35	+ 5
	3. ENGLAND, EAST	4	6	0 (average)	117	−20	17·5	− 1·9	38	+11	48	+14	1544	+232	43	+ 7
	4. MIDLAND COUNTIES	5	10	3 more	115	−17	17·2	− 4·4	30	+ 7	38	+ 9	1427	+251	39	+ 7
	5. ENGLAND, SOUTH	5	12	5 more	109	−20	15·9	− 4·3	38	+11	48	+13	1605	+226	43	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	17	7 more	148	−10	25·9	−11·6	26	+ 4	33	+ 5	1249	+ 72	34	+ 2
	7. ENGLAND, N.W.	5	17	8 more	129	−15	22·3	− 3·2	24	+ 7	30	+ 8	1223	+190	35	+ 3
	8. ENGLAND, S.W.	5	28	18 more	117	−31	23·6	− 5·3	42	+16	52	+19	1654*	+243	45	+ 7
	9. IRELAND, NORTH	5	14	6 more	160	−11	24·6	− 2·1	29	+10	37	+11	1151	+103	32	+ 3
	10. IRELAND, SOUTH	4	14	6 more	134	−21	25·9	− 3·1	38	+14	47	+16	1283	+ 31	35	+ 1
	—CHANNEL ISLANDS	6	21	13 more	131	−25	18·8	− 4·7	36	+ 2	45	+ 2	1824	+246	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued very fine and summer-like during the two first days of the period. On October 1st, however, it became very unsettled and rainy in the extreme south-west and west, and these conditions gradually extended to all parts of the Kingdom. Heavy falls of rain were experienced over the country generally, especially in the south-west of England and the Channel Islands. Thunder and lightning occurred in many localities about the middle of the period.

Temperature at first continued extremely high for the time of year, but subsequently fell rapidly and became rather low, frost occurring on the ground early on the 3rd. The average values for the week, however, were again above the mean in all districts excepting Scotland E., the excess ranging from 1° in Scotland W. and Ireland S., to 4° in England S. and S.W., and 5° in the Channel Islands. The highest of the maxima (registered on September 29th or 30th) ranged from 83° in England N.E., 81° in England N.W., and from 78° or 79° in most other districts, to 74° in Scotland E. and W. The lowest of the minima were recorded towards the end of the week, when the thermometer fell to 31° in Scotland N. and E., and in England S.W., to 33° over central and eastern England, and to between 35° and 37° in all other districts excepting the Channel Islands, where the lowest reading was 48°.

Rainfall was rather less than the mean in England N.E., and just equal to it in England E., but was in excess in all other districts, especially in the west and north; the fall in England S.W. and the Channel Islands being nearly three times the mean. The greatest fall at any individual station was 5·35 ins. at Arlington, of which 2·71 ins. fell on October 5th.

Bright Sunshine shows a great decrease over the Kingdom generally, but a decided increase in Scotland N. It was, however, again in excess of the mean, the percentage of the possible duration ranging from 52 in England S.W., 48 in England E. and S., and 47 in Ireland S., to 33 in Scotland W., and 30 in England N.W.

Barometer and Wind.—At the opening of the period the conditions continued anticyclonic, and light North-Easterly winds prevailed in the south and calms or variable airs in the northern districts. By October 1st, however, depressions had commenced to approach us from the south-westward, and during the remainder of the period disturbances of considerable importance passed over the Kingdom from the westward, causing strong winds from the South-Westward or Westward on all our coasts. On October 3rd, the wind attained the force of a gale very generally, which continued in many places until the following day.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 235 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	59	40	53·7	45·4	49·4	+ 1·5	52	0	4	2·34	+1·46	*	*	*	*
	Stornoway	69	31	57·7	42 4	49·8	+ 1·6	55	0	5	1·47	+0·44	36·0	+13·7	46	+17
	Wick	68	35	57·6	43·0	50·1	+ 1·3	57	0	4	1·01	+0·39	*	*	*	*
	Glencarron Ⓢ	75	35	59·9	41·3	50·3	+ 2·5	61	2	5	3·49	+1·69	*	*	*	*
	Fort Augustus Ⓢ	75	34	60·7	41·3	50·7	+ 1·7	64	2	5	2·77	+1·81	29·6	?	37	?
	Fort William Ⓢ	68	38	57·9	43·6	50·5	+ 0·6	60	0	5	2·81	+1·09	33·7	?	43	?
1. SCOTLAND, E.	Nairn	69	31	57·0	40·4	48·5	- 0·9	52	4	5	1·89	+1·31	*	*	*	*
	Aberdeen	68	34	55·3	43·6	49·3	- 0·4	51	0	4	2·41	+1·73	33·6	+10·6	43	+14
	Braemar Ⓢ	73	32	58·8	39·3	48·8	+ 2·4	59	8	5	1·86	+0·99	32·7†	?†	41†	?†
	Ochtertyre Ⓢ	62	32	54·6	40·1	47·1	- 2·1	44	5	6	1·40	+0·52	*	*	*	*
	Leith	67	38	56·9	44·1	50·3	- 0·9	58	0	4	0·77	+0·32	*	*	*	*
	Marchmont Ⓢ	74	34	57·9	39·7	48·5	0·0	55	6	4	1·47	+0·74	30·8	?	39	?
2. ENGLAND, N.E.	Alnwick Castle	63	35	55·9	44·0	49·8	+ 0·2	55	0	3	0·42	-0·21	*	*	*	*
	Durham	78	33	63·6	42·2	52·6	+ 2·7	74	0	2	0·20	-0·43	34·2	+14·0	43	+17
	Shields	63	36	57·6	46·0	51·6	+ 0·9	67	0	2	0·24	-0·38	*	*	*	*
	Scarborough Ⓜ												*	*	*	*
	York	83	36	65·3	43·1	53·9	+ 2·5	83	0	4	1·24	+0·64	28·5	+ 8·5	36	+10
	Spurn Head	66	41	59·7	49·0	54·2	+ 1·3	85	0	3	0·47	-0·04	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	77	33	67·3	44·2	55·4	+ 3·7	94	0	3	0·48	-0·12	34·2	+10·4	43	+13
	Yarmouth	67	36	62·3	50·3	56·1	+ 3·4	99	0	4	0·44	-0·24	*	*	*	*
	Geldeston	75	34	66·4	43·1	54·4	+ 1·6	87	0	4	0·47	-0·13	42·3	+13·5	53	+17
	Cambridge	78	34	67·1	44·9	55·7	+ 3·4	96	0	5	0·64	+0·14	36·6	+ 9·6	46	+12
	Rothamsted	75	35	65·2	44·7	54·7	+ 3·4	89	0	5	1·15	+0·48	35·1	?	48	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)												*	*	*	*
	Loughborough	79	37	66·1	43·6	54·5	+ 2·7	88	0	5	0·96	+0·31	*	*	*	*
	Stamford (Ketton Hall)	79	33	66·9	42·6	54·4	+ 2·6	87	0	4	0·33	-0·33	*	*	*	*
	Cheadle Ⓜ	75	34	61·3	44·6	52·7	+ 2·9	75	0	5	1·33	+0·57	*	*	*	*
	Solihull	75	35	63·2	43·9	53·3	+ 2·0	79	0	5	0·99	?	*	*	*	*
	Churchstoke Ⓜ	75	34	61·4	40·6	50·7	+ 0·6	67	4	6	1·49	+0·77	30·2	+ 6·5	53	+ 8
	Hereford Ⓜ	77	37	62·7	43·9	53·0	+ 1·4	77	0	6	0·92	+0·27	*	*	*	*
	Cirencester	75	33	64·7	46·0	55·1	+ 4·2	92	0	5	1·19	+0·44	32·8	+ 9·6	41	+11
	Oxford	76	39	66·0	46·7	56·1	+ 3·8	99	0	5	0·95	+0·31	34·9	+ 9·9	44	+11
5. ENGLAND, S.	London	79	37	68·1	48·4	58·0	+ 4·7	112	0	4	1·43	+0·83	35·8†	+15·0†	45†	+19†
	North Foreland	73	38	64·3	50·1	57·0	+ 2·6	105	0	4	0·30	?	*	*	*	*
	Strathfield Turgiss Ⓜ	79	36	66·8	44·2	55·2	+ 3·1	92	0	5	1·33	+1·20	*	*	*	*
	Dungeness	69	38	65·4	53·0	59·0	+ 4·6	119	0	5	1·08	+0·38	*	*	*	*
	Hastings (St. Leonards)	76	40	66·3	50·1	58·0	+ 3·3	112	0	5	1·51	+0·74	40·0	+ 8·4	50	+10
	Southampton	79	40	68·6	50·2	59.1	+ 5·5	120	0	4	1·19	+0·42	37·2	+ 8·4	47	+12
	Hurst Castle	74	44	65·7	52·0	58·7	+ 4·3	117	0	5	1·24	+0·91	*	*	*	*
	Stowell Ⓜ	75	38	63·7	47·6	55·4	+ 3·9	94	0	6	1·08	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)												*	*	*	*
	Glasgow	69	38	57·4	44·5	50·8	+ 1·2	62	0	5	1·10	+0·25	18·1	+ 0·3	23	0
	Ardrossan	72	42	58·9	47·6	53·1	+ 1·8	78	0	5	0·96	+0·06	*	*	*	*
	Glenlee Ⓢ	74	35	60·4	39·2	49·5	+ 0·3	64	8	4	2·01	+0·71	*	*	*	*
	Douglas (Isle of Man)	72	42	60·8	45·9	52·1	+ 2·0	78	0	5	2·64	+1·69	34·0	+ 8·0	43	+10
7. ENGLAND, N.W.	Stonyhurst	73	39	61·6	45·3	53·2	+ 2·6	78	0	5	2·01	+0·81	24·0	+ 1·6	30	+ 2
	Blackpool Ⓜ	80	41	65·7	47·1	56·1	+ 4·8	99	0	5	1·93	+1·02	27·2	+ 5·2	34	+ 5
	Manchester (Prestwich)	78	37	62·5	46·3	54·2	+ 3·2	85	0	5	1·84	+0·94	20·8	?	26	?
	Liverpool Obsy. (Bidston)	76	39	60·9	47·4	54·0	+ 1·7	84	0	5	1·91	+1·03	*	*	*	*
	Llandudno Ⓜ	81	45	65·8	51·8	58·6	+ 5·2	116	0	5	1·35	+0·54	32·4	+12·9	41	+16
	Holyhead	69	43	60·4	49·6	54·8	+ 1·1	90	0	5	1·15	+0·28	*	*	*	*
8. ENGLAND, S.W.	Llandovery	79	31	64·7	43·6	53·8	+ 1·8	83	0	6	1·89	+0·71	*	*	*	*
	Pembroke	72	43	62·7	51·6	57·0	+ 3·4	105	0	4	2·39	+1·47	40·0	+13·7	50	+17
	Bristol (Montpelier)	78	43	65·6	49·2	57·2	+ 5·4	106	0	6	2·88	+2·04	*	*	*	*
	Arlington (N. Devon)	75	38	64·3	48·1	56·0	+ 3·9	98	0	6	5·35	+4·16	*	*	*	*
	Cullompton Ⓜ	76	39	66·2	46·6	56·1	+ 4·0	99	0	6	2·52	+1·62	39·9	+15·4	50	+19
	Falmouth	70	44	63·8	52·5	58·0	+ 3·8	112	0	5	2·06	+1·31	48·0	+20·8	60	+25
	Plymouth	75	44	65·4	50·7	57·8	+ 3·7	111	0	5	2·25	+1·41	40·9	+12·4	50	+14
	Prawle Point	73	43	63·9	53·0	58·3	+ 4·3	114	0	5	2·12	+1·35	*	*	*	*
9. IRELAND, N.	Malin Head	72	40	57·7	47·7	52·6	+ 2·6	74	0	5	0·98	?	*	*	*	*
	Londonderry	78	37	62·2	45·8	53 8	+ 3·0	83	0	5	1·69	+0·78	*	*	*	*
	Edenfel (Omagh)	75	37	59·5	44·0	51·6	+ 2·0	67	0	5	1·46	+0·61	*	*	*	*
	Belmullet	76	43	61·1	48·7	54·7	+ 1·2	89	0	5	1·72	?	*	*	*	*
	Markree Castle	74	37	61·0	43·2	51·8	+ 1·7	69	0	5	1·53	+0·74	31·5	+11·5	39	+13
	Brookeborough	77	37	60·2	43·6	51·7	+ 2·5	68	0	4	1·35	+0·45	*	*	*	*
	Armagh	71	37	59·8	43·1	51·2	+ 1·2	64	0	4	1·29	+0·64	27·9	+ 7·1	35	+ 9
	Donaghadee	65	37	57·9	44·4	51·0	- 0·1	63	0	4	1·22	+0·54	*	*	*	*
	Edgeworthstown	72	35	59·2	43·1	50·9	+ 1·1	62	0	4	1·13	+0·42	*	*	*	*
10. IRELAND, S.	Dublin	68	40	59·8	46·3	52·9	+ 0·8	76	0	5	0·94	+0·36	40·7	+14·9	51	+19
	Parsonstown	77	37	62·0	43·9	52·7	+ 2·1	75	0	5	1·20	+0·50	36·2	+12·8	45	+13
	Kilkenny	76	36	61·9	43·0	52·2	+ 0·4	71	0	4	1·61	+0·99	*	*	*	*
	Roche's Point	71	44	62·3	50·3	56·4	+ 3·0	101	0	4	1·28	+0·40	*	*	*	*
	Valencia	73	44	62·0	48·0	54·8	+ 0·9	90	0	5	1·36	+0 44	36·6	+13·1	46	+15
	Killarney	76	36	62·9	44·9	53·6	+ 1·1	81	0	3	71·48	?	*	*	*	*
	Foynes	71	41	59·9	46·2	52·9	+ 1·6	76	0	5	1·78	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	48	64·3	55·1	59·6	+ 3·9	123	0	5	1·92	+1·07	37·0	?	46	?
	Jersey	78	49	67·6	56·6	61·9	+ 5·2	139	0	6	2·33	+1·48	34·2	+ 2·2	43	+ 2

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

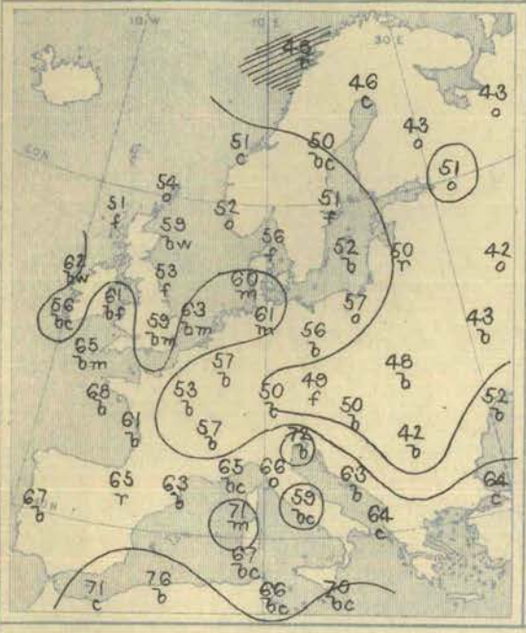
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 29th September.

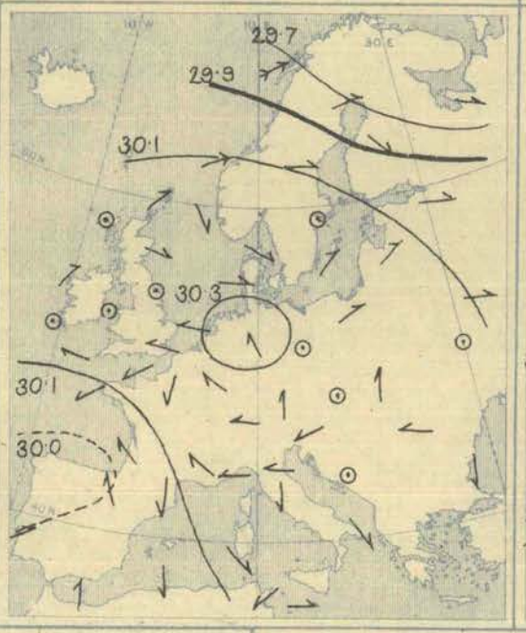
Temperature and Weather.

8 a.m.

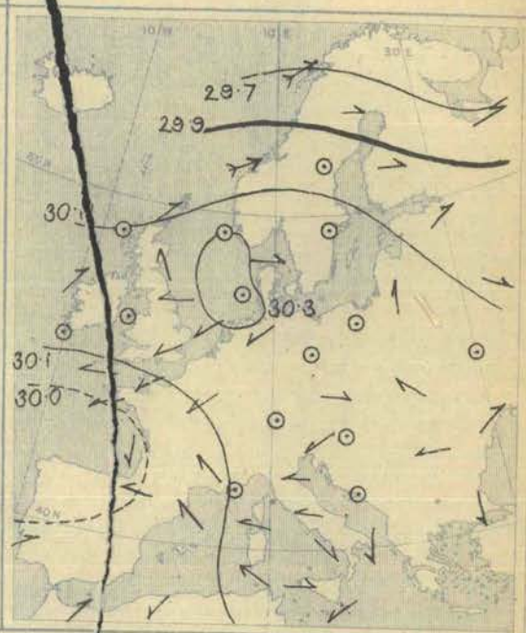


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very rainy over Lapland, dull over Finland and the north of Russia, fine in other districts, but foggy in many localities during the morning hours. Heavy rain over Lapland, and slight showers in Scotland; thunderstorms and much rain in the south of France and north of Spain (3·2 ins. at Marseilles and 1·4 ins. at Barcelona). Weather very fine over England.

Temperature in morning highest, 76° at Algiers, 70° at Malta, and exceeding 60° on the coast of France and the south-west of our Islands. Lowest, 41° at Kharkov, 42° at Moscow, 43° at Kuopio and Archangel, and below 50° over Lapland and Finland generally. Rising later to between 75° and 82° in many parts of our Islands, to between 80° and 85° in many parts of France, Spain, Italy, and Algeria.

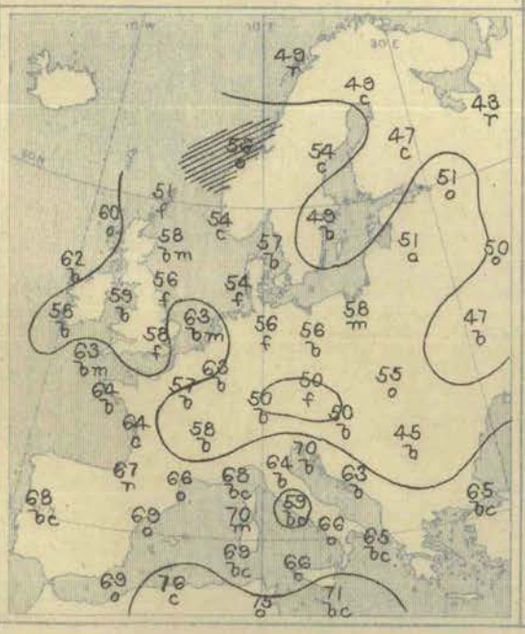
Wind South-Westerly and Westerly over northern Europe, and blowing a gale at Bodö; light and anticyclonic over the other parts of Europe and the British Islands; Easterly to South-Easterly over the Bay of Biscay; but South-Westerly at Lisbon. The gale in the north spreading southward to Christiansund later; the Easterly wind over the Bay of Biscay becoming light and variable.

Barometer highest, 30·3 ins. and more over the north-west of Germany, and exceeding 30·0 ins. except over Lapland, the White Sea, and north of Finland. Lowest, below 29·6 ins. over Lapland and the Kola Peninsula. Falling somewhat in most places later, but not quickly anywhere.

Monday, 30th September.

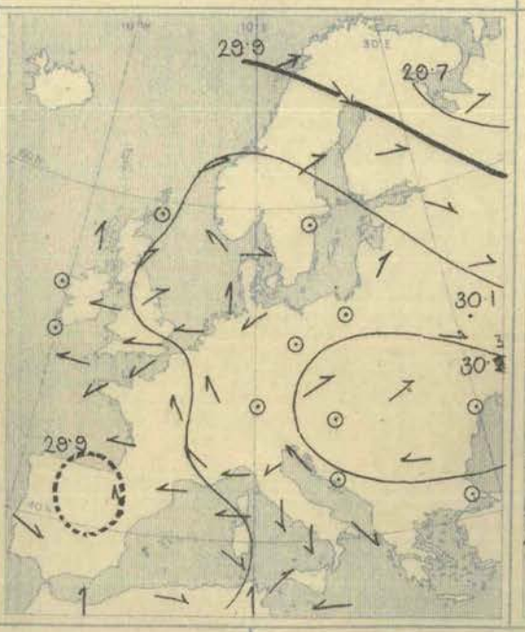
Temperature and Weather.

8 a.m.

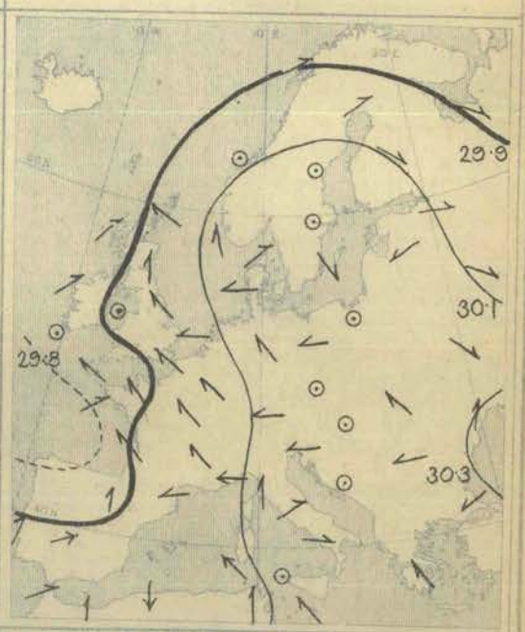


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rainy in the extreme north, dull in the north-west of Norway and the Hebrides, fine over almost all other parts of Europe, but foggy or hazy in very many places. Heavy rain later over the northern parts of Scandinavia, and a considerable quantity over the north-west of France, the Channel Islands, and some parts of Devonshire, accompanied by thunder locally.

Temperature still high for time of year over England, but falling temporarily in some localities. Morning readings highest, 76° at Algiers, exceeding 70° at several stations on the south side of the Mediterranean, and at Bilbao, 68° at Nice, 67° at Biarritz, 66° at Jersey, and 65° at the North Foreland, 64° at Prawle Point. Lowest, 43° at Archangel, and below 50° over Lapland and the greater part of Finland; 56° to 52° over Scotland, 50° to 56° over Germany. Rising to between 70° and 79° over England later, to 80° at Brussels, 81° at Biarritz, and 82° at Paris.

Wind very light generally, Easterly over France, England, and the south of Ireland; Southerly in Scotland; Westerly over northern Europe, and strong over Lapland; extremely light and variable over the Baltic and central Europe. Becoming variable (South-East to South-West) over Brittany later, and veering to South-East at Rochefort.

Barometer highest, 30·3 ins. and more to 30·2 ins. over the whole of south-eastern and central Europe, Denmark, and the south of Scandinavia, and exceeding 30·0 ins. in all but the extreme northern and western parts of the Continent and the west of Ireland. Lowest, (1) below 29·7 ins. over the White Sea; (2) 29·9 ins. over the north-east of Spain; (3) below 29·8 ins. over the Azores. Falling over western Europe later, but rising over northern Europe and the Azores.

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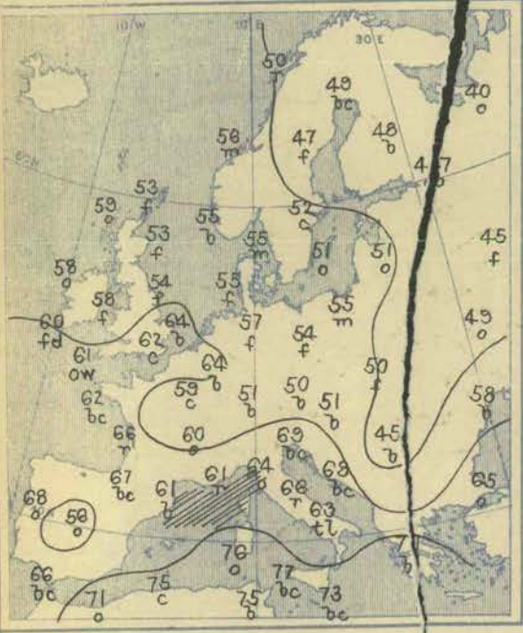
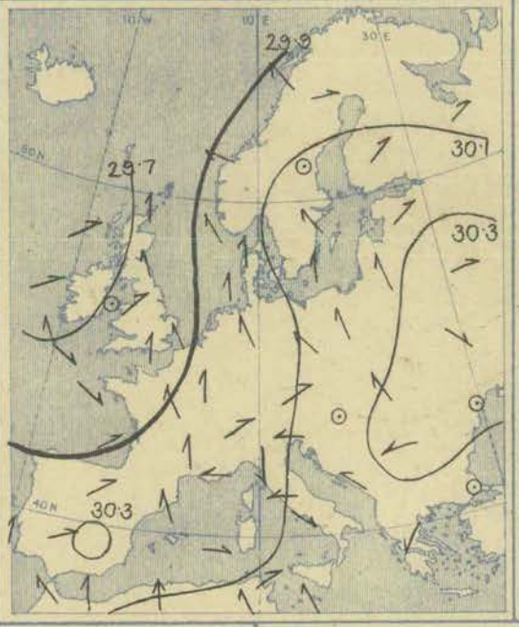
Tuesday, 1st October.

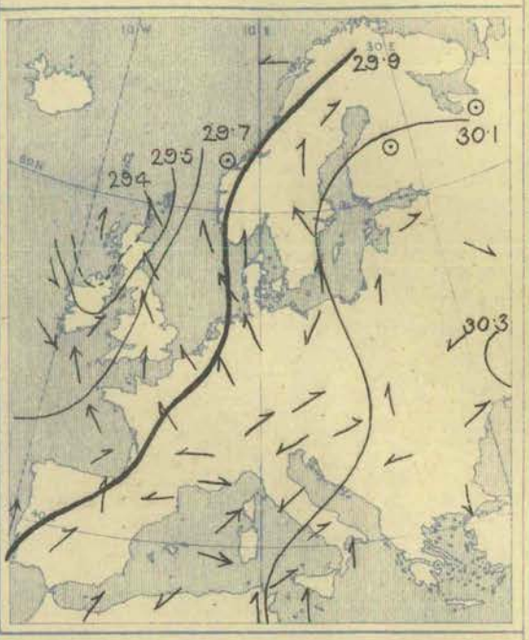
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over the eastern and central parts of the Continent, with fog in several places, but becoming much less fair over the Mediterranean, with rain and thunder in places, and inclining to rain over the British Islands also. Much rain (an inch or more) over the United Kingdom later, especially in the north and west; some thunderstorms in the north and north-east.

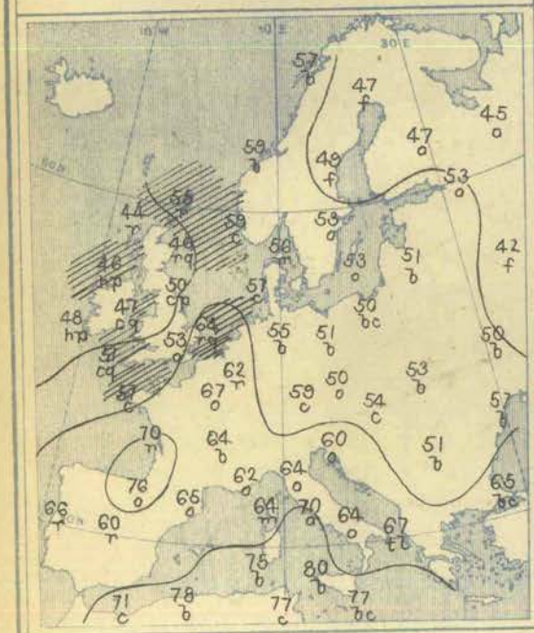
Temperature changing little and irregularly. Morning readings highest, 77° at Palermo, and exceeding 70° at most stations on the southern shores of the Mediterranean, as well as at Barcelona and Oporto, 69° at Trieste, 67° at Biarritz and Hurst Castle, 66° at Rochefort. Lowest, 40° at Archangel, 45° at Moscow, 46° at Helsingfors. Rising later to between 75° and 70° over England, but falling very decidedly on our northern and western coasts, and fall spreading eastwards.

Wind very light generally, and as a whole varying in direction from between South-East and South; North-Westerly, however, over Brittany, and at the mouth of the English Channel. Becoming North-Westerly over Ireland in the evening, and increasing greatly in force; the North-Westerly current spreading eastwards in the night, and becoming very strong over the Irish Sea and St. George's Channel.

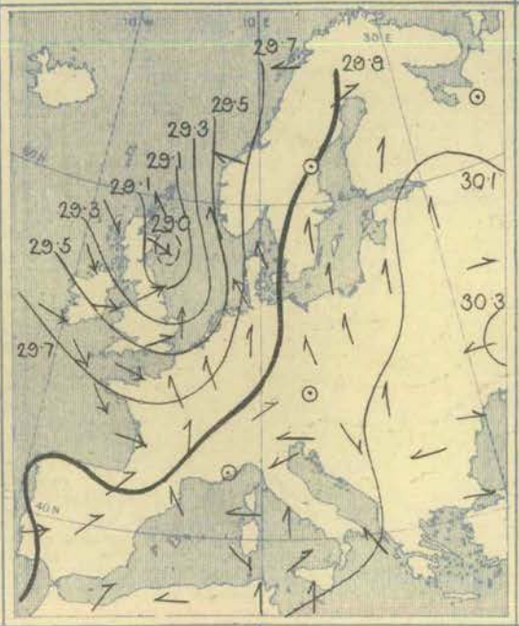
Barometer highest, 30·3 ins. and more over south-eastern Europe, and exceeding 30·0 ins. over by far the greater part of the Continent. Lowest, 29·7 ins. over Ireland, the west of Scotland, and adjacent parts of the Atlantic, and below 29·8 ins. over the western parts of the English Channel. Falling fast over the United Kingdom later, a well-marked "V" appearing over the western parts of the British Islands in the evening.

Wednesday, 2nd October.

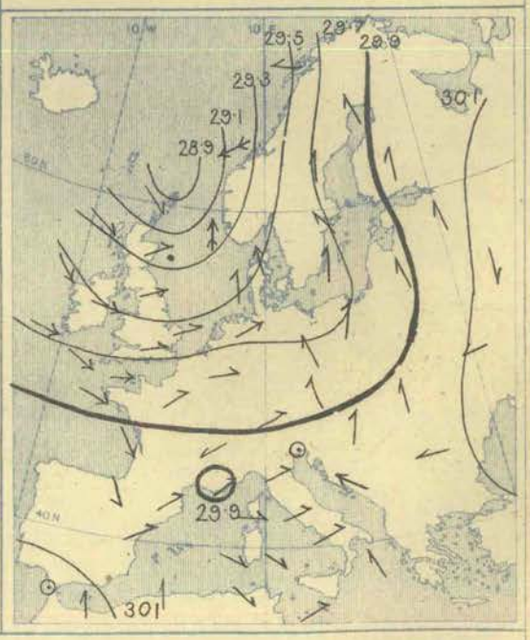
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over central Europe and in Norway, dull elsewhere; very unsettled over the British Islands, with rain in many places, especially over the northern and western districts. Rain falling at almost all stations later, heavily in some northern districts, and in considerable quantity over the south-western parts of the British Islands, and in the south of France. Thunder and lightning reported over the south of England and at the Helder.

Temperature falling very decidedly over the British Islands and the north-west of France, rising a little over central Europe. Morning readings highest, 80° at Palermo, 78° at Algiers, and above 70° on the Algerian coasts generally, 70° at Rome and Rochefort, 67° at Paris, 64° at Yarmouth. Lowest, (1) 42° at Moscow, 43° at Kharkov; (2) 43° at Nairn and Parsonstown, 44° at Stornoway. Sharp frost on ground over Great Britain in night, and some frost in the screen at Nairn.

Wind South-Easterly to Southerly, moderate to light at most of the Continental stations and at Yarmouth, but Westerly to North-Westerly over the British Islands as a whole, and blowing a moderate gale on the north coast of Wales. Shifting to West-South-West at the Helder later, but tending to back a little at Valencia in the evening.

Barometer highest, (1) 30·3 ins. and more over the south of Russia, and exceeding 30·0 ins. over central, eastern, and southern Europe generally; (2) 30·3 ins. and more over the Azores. Lowest, below 29·0 ins. in a depression off the east of Scotland, and below 29·0 ins. off the south-west coast of Portugal. Depression in north growing deeper later, and moving northwards quickly; barometer rising fast over Great Britain and the North Sea, but rise at Valencia (Ireland) ceasing.

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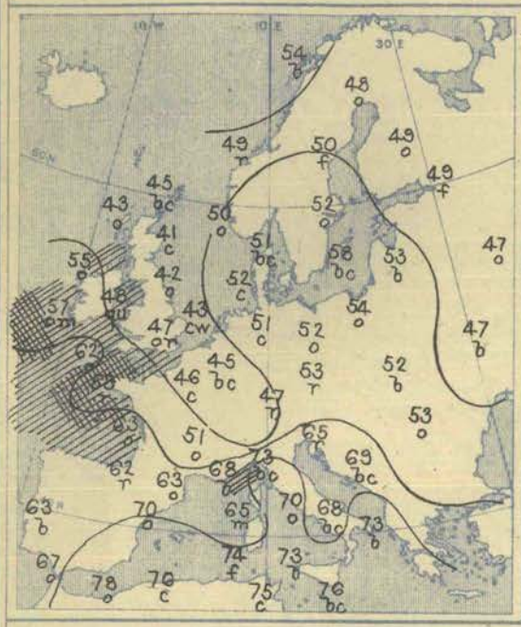
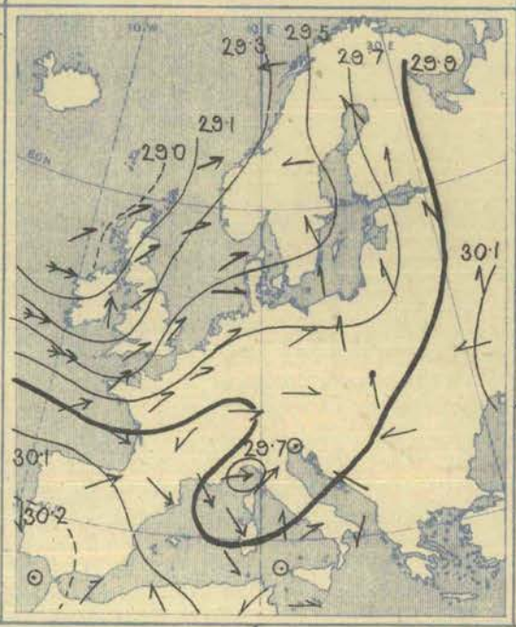
Thursday, 3rd October.

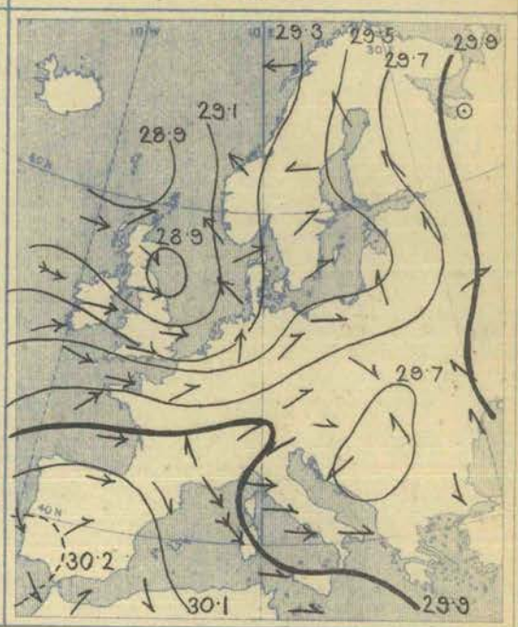
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over the southern parts of Russia, very unsettled, showery, and squally over the British Islands and western Europe, and with a threatening appearance in many places. Rain falling later in all parts of north-western Europe, heavily in some places; thunder and lightning occurring on the eastern shores of the North Sea; aurora and halos seen in some places.

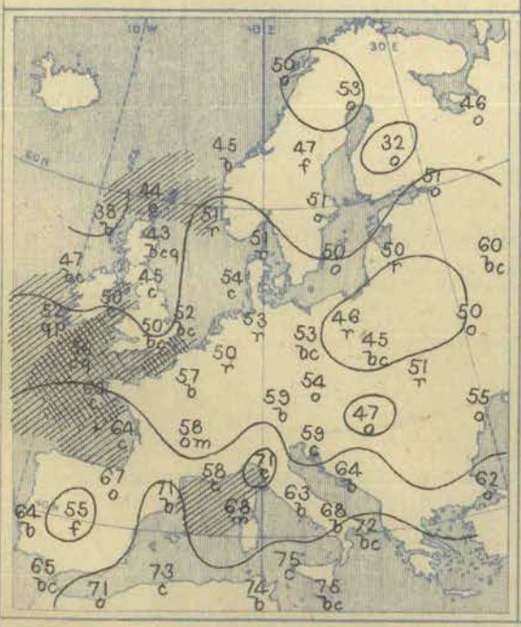
Temperature very unsteady; risen fast in Ireland, fallen over Great Britain, where frost occurred on the grass early in morning. Morning readings highest, 78° at Oran, and exceeding 70° at many Mediterranean stations, 64° at Bilbao, 62° at Scilly. Lowest, 40° at Malin Head, 41° at Nairn, Aberdeen, and York, 43° at Shields, 49° to 46° over Russia. Rising later to between 69° and 65° over England, to 66° at Rochefort, and to 75° at Nice and Perpignan.

Wind strong to a gale from West over Ireland and St. George's Channel, and from South-West in the north of France; moderate Southerly over the eastern half of England; Easterly over Lapland; light and chiefly South-Easterly over Russia. A well-defined cyclonic circulation over the northern parts of Italy and the Mediterranean. Westerly gales spreading all over Ireland, England, and the Channel later.

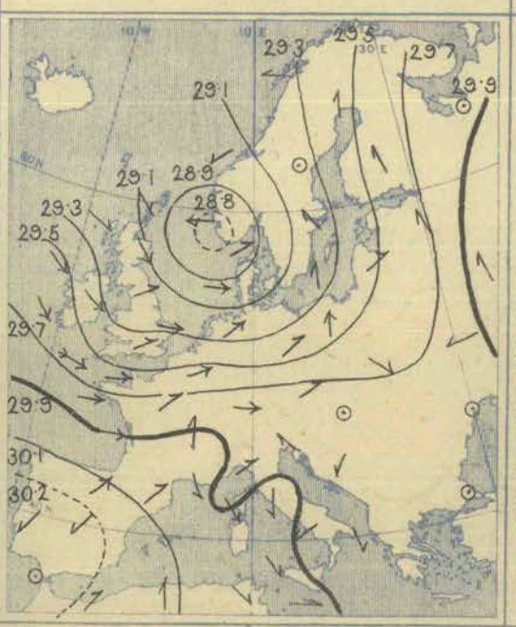
Barometer highest, (1) 30·2 ins. to 30·0 ins over the Spanish Peninsula and the south-west of France; (2) 30·1 ins. and more to 29·9 ins. over Russia. Lowest, below 29·0 ins. off the extreme north-west coasts of our Islands, and below 29·3 ins. over Wales. Well-marked depression devoloped off the east of Scotland, where barometer fell to 28·9 ins. by 6 p.m.

Friday, 4th October.

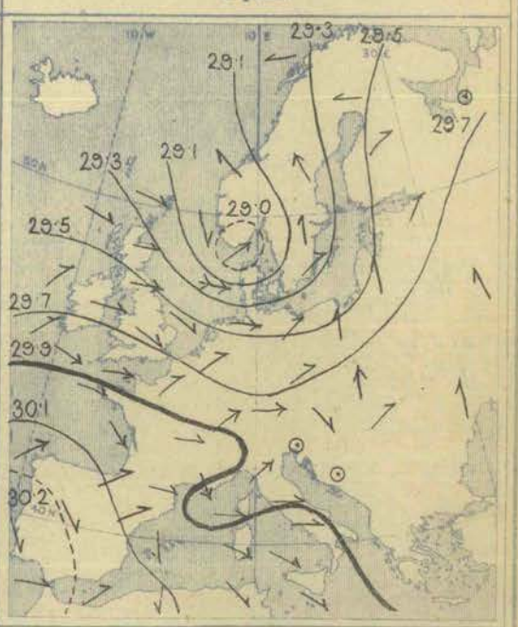
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Spain, the Mediterranean, and south-eastern Europe, dull, squally, showery, and unsettled over the north-western countries. Rain falling during day at nearly all stations in the last named districts and over central Europe; thunder and lightning occurring at Belmullet and over central Europe, hail in places, and halos seen in some localities in our Islands.

Temperature fallen again in Ireland; highest readings, 75° at Palermo, and exceeding 70° at several of the Mediterranean stations, 66° to 60° in the west of France, 60° at Moscow. Lowest, 38° at Stornoway, 41° at Nairn, 42° at Leith, 43° at Aberdeen and Wick. Scarcely exceeding 60° over the greater part of England during the day, and falling to between 40° and 35° at night, with some frost on the grass, but rising to between 70° and 80° over southern Europe, and to 90° and more over Algeria.

Wind Easterly light to strong over Scandinavia; North-Westerly strong over Ireland and Scotland; Westerly strong to a gale over England and France; South-Westerly over Germany; Southerly over the Baltic; light to moderate in force, and variable in direction over the Mediterranean. Gale moderating over the Channel, France, and England later, and wind backing towards South-West again in Ireland. No great change later.

Barometer highest, 30·3 ins. to 30·0 ins. over the Iberian Peninsula, the south-west of France and Algeria, and exceeding 29·9 ins. over central and eastern Russia. Lowest, 29·8 ins. and less in a depression off the south-west of Norway. Gradients steep generally over the north-western countries, but varying locally. The depression moving eastwards later, and barometer falling over central Europe and the Baltic, but rising over the North Sea and British Islands till evening, when a new fall commenced in the west of Ireland.

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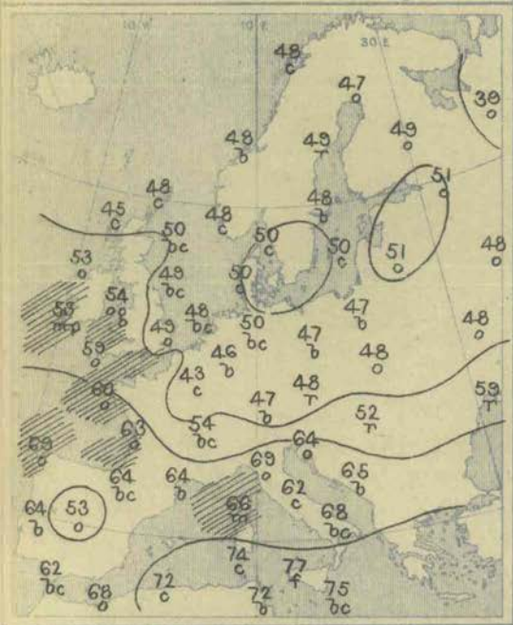
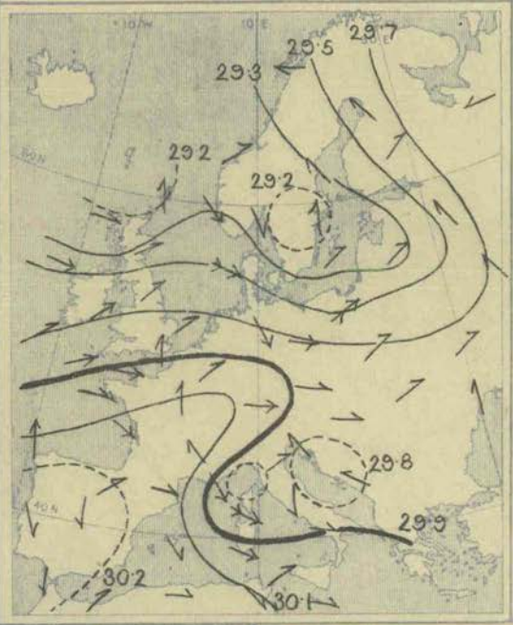
Saturday, 5th October.

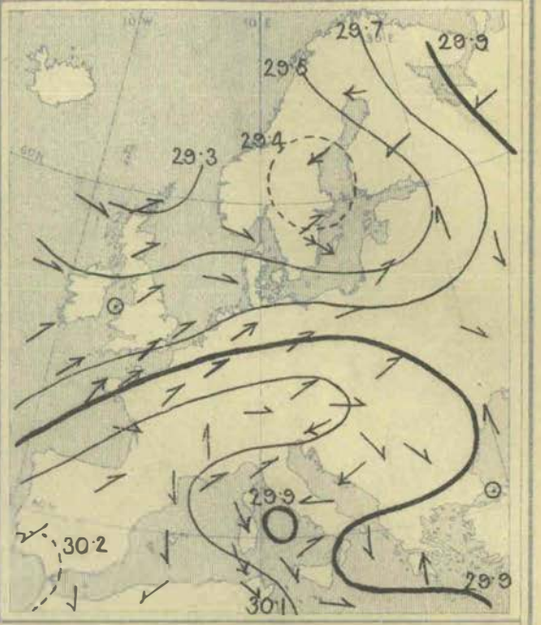
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Portugal and the western and southern sides of the Mediterranean, as well as over the southern half of France and in the north-east of Great Britain. Cloudy or overcast elsewhere, with squalls and rain in many places, especially over Germany, and a threatening appearance in the south-west of England. Rain falling later over the whole of the British Islands, north-western and northern Europe, heavily in many places, but weather fine over the southern countries.

Temperature fallen over Russia and central Europe, not changed much elsewhere. Morning readings highest, 77° at Palermo, and above 70° over the southern half of the Mediterranean and at Oporto, 69° at Leghorn and Corunna, 68° at Naples, 64° at Biarritz, 60° at Brest. Lowest, 39° at Archangel. 44° at York, 45° at Stornoway and Karlstad, 46° at Nairn. Scarcely exceeding 60° over central England during day, but rising to between 72° and 80° in the south-west and south of France.

Wind (1) South-Westerly to Westerly, fresh to a moderate gale, over Ireland, England, and the North Sea; Westerly strong to a gale over the North Sea and Baltic: but Easterly over northern Europe; (2) a well-marked cyclonic circulation (strong to a gale) over the northern and north-eastern parts of the Mediterranean. Falling light over Ireland later, but still blowing hard in the Channel.

Barometer highest, (1) 30·2 ins. and more over the Iberian Peninsula, and exceeding 30·0 ins. over France and the western and southern shores of the Mediterranean; (2) 29·8 ins. to 29·6 ins. over the northern parts of Russia. Lowest, 29·2 ins. and less in two depressions, one off the north of Scotland, the other over the southern half of Sweden, and below 29·8 ins. in two others, one over the northern parts of the Adriatic, and the other over the north-east of the Mediterranean. New, but small and shallow, disturbances advancing over the south-western parts of our Islands later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➙ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast: m = misty (hazy); f = foggy; q = squally; r = rain; h = hail: s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week a large anticyclone continued to cover the greater part of Europe, the barometer ranging from 30·3 ins. and more over the Netherlands to 30·0 ins. over all but the most northern countries. After the 30th, however, a very decided change set in over the western countries, advancing from the Atlantic both to our north-western and south-western coasts, spreading rapidly over the Kingdom and increasing quickly both in size and intensity. Rainy, thundery weather at once set in, with South-Westerly to North-Westerly winds, which varied in force from a fresh breeze to a strong gale. These conditions continued to spread eastwards during the week, so that during the latter part of the period conditions of pressure, temperature, and rainfall of a thoroughly Autumnal type had taken the place of the summer-like conditions of the previous week.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 236.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	21·4	?	27	?	EASTBOURNE	39·4	?	49	?
OSWALDKIRK (Yorkshire)	24·2	?	30	?	MANCHESTER (Oldham Road)	17·1*	?	21*	?
WORKSOP	23·8	+ 2·8	30	+ 3	TENBY	40·5	?	51	?
THURCASTON (Leicestershire)	29·0	+ 8·6	30	+10	NEWQUAY		?		?
MARGATE	39·0	?	49	?	TORQUAY	39·9*	?	50*	?
WESTBOURNE (Sussex)	32·5*	?	41*	?	ARLEY COTTAGE (County Cavan)	28·4	?	36	?
BRIGHTON	41·4	?	52	?	GUERNSEY	35·8*	?	45*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd. Lith, 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 41.] *Third Series.* WEEK ENDING SATURDAY, OCTOBER 12TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 242.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	31	51·6	40·2	45·8	2 below	34	− 5	5	− 1	2018	+326	816	+253
	1. SCOTLAND, EAST	63	31	53·1	40·9	46·8	1 below	38	− 8	3	− 3	2262	+ 95	993	+404
	2. ENGLAND, N.E.	62	38	54·8	43·7	49·1	0 (average)	50	− 1	0	− 3	2167*	+271	783	+267
	3. ENGLAND, EAST	62	35	56·2	44·2	50·0	0 (average)	56	0	0	− 5	2882	+207	854	+274
	4. MIDLAND COUNTIES	61	34	55·7	43·7	49·5	0 (average)	53	+ 1	0	− 7	2852	+228	934	+355
	5. ENGLAND, SOUTH	64	34	58·3	45·9	51·9	0 (average)	69	+ 6	0	− 4	3072	+185	755	+326
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	33	54·0	43·1	48·3	1 below	44	− 6	0	− 4	2415*	+184	778	+353
	7. ENGLAND, N.W.	59	38	54·3	46·7	50·4	0 (average)	59	+ 6	0	− 2	2683	+274	725	+299
	8. ENGLAND, S.W.	62	32	57·2	45·1	51·0	1 below	63	+ 1	0	− 1	2862	+191	654	+335
	9. IRELAND, NORTH	57	32	53·6	42·4	47·	1 below	41	−11	0	− 2	2495	+121	685	+264
	10. IRELAND, SOUTH	59	30	54·5	42·7	48·5	2 below	46	−15	0	− 2	2699*	+ 33	479	+191
	—CHANNEL ISLANDS	64	44	58·8	51·4	55·0	0 (average)	91	+ 9	0	0	3278	+248	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 242.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	16	4 more	182	− 5	36·9	− 1·0	18	+ 6	24	+ 8	976	− 10	29	0
	1. SCOTLAND EAST	4	7	0 (average)	146	− 8	23·1	− 1·3	20	− 2	27	0	1221	+111	36	+ 3
	2. ENGLAND, N.E.	5	13	7 more	142	0	21·4	+ 1·2	24	+ 5	31	+ 5	1319	+218	35	+ 5
	3 ENGLAND, EAST	5	11	5 more	122	−17	18·6	− 1·4	18	− 6	24	− 6	1562	+226	43	+ 7
	4. MIDLAND COUNTIES	4	8	1 more	119	−17	18·0	− 4·3	18	− 4	23	− 6	1445	+249	39	+ 7
	5. ENGLAND, SOUTH	4	9	2 more	113	−20	16·8	− 4·1	20	− 5	26	− 8	1625	+220	42	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	12	0 (average)	153	− 9	27·2*	−11·4	22	+ 2	29	+ 2	1271	+ 74	34	+ 2
	7. ENGLAND, N.W.	5	8	2 less	134	−14	23·1	− 3·3	21	+ 5	28	+ 6	1244	+195	37†	+ 5†
	8. ENGLAND, S.W.	3	10	0 (average)	120	−32	24·6	− 5·3	18	− 7	24	− 9	1672	+257	44	+ 6
	9. IRELAND, NORTH	4	4	4 less	164	−11	25·0	− 2·5	24	+ 4	31	+ 4	1175	+106	32	+ 3
	10. IRELAND, SOUTH	3	5	3 less	137	−22	26·4	− 3·4	26	+ 3	34	+ 4	1309	+ 34	35	+ 1
	—CHANNEL ISLANDS	4	11	3 more	135	−26	19·9	− 4·5	24	− 5	31	− 7	1848	+242	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was generally changeable and unsettled. Frequent rain was experienced in nearly all districts, heavy falls occurring at most of the English stations on the 8th, and in Scotland on the 11th.

Temperature just equalled the mean over the greater part of England, but was slightly below it in the western and northern parts of the Kingdom. The highest of the maxima, which occurred on somewhat variable dates, ranged from 64° in England S. and the Channel Islands, to 58° in Scotland N. and 57° in Ireland N. The lowest of the minima were recorded during the early part of the week in the more northern localities, and on the 11th in the south; they ranged from 30° in Ireland S., and 31° in Scotland N. and E., to 38° in England N.E. and N.W., and to 44° in the Channel Islands.

Rainfall was rather less than the mean over Ireland and in England N.W., and just equal to it in Scotland E. and W., and England S.W.; in all other districts there was an excess, that over the north-eastern parts of England being large.

Bright Sunshine was much less prevalent than of late, but, taking the Kingdom as a whole, it did not differ much from the normal for the time of year. The percentage of the possible duration ranged from 34 in Ireland S., to 24 in Scotland N., England E. and S.W., and to 23 in the Midland counties.

Barometer and Wind.—The distribution of pressure over our Islands during this period changed frequently. At first a large shallow depression was shown off the north of Scotland, while a small secondary system passed quickly eastwards over the south of England. By the 8th, another and deeper disturbance was appearing in the south-west, and during the three following days this system moved eastwards along the Channel, and afterwards northwards and north-eastwards across the North Sea to Scandinavia. It caused the wind, which had previously been moderate from the South-Westward and Westward, to shift to the Eastward or North-Eastward very generally, and finally to the Northward and North-Westward. During the 9th and 10th, the force of a gale was attained at many of our northern and eastern stations. As this disturbance disappeared from our coasts, an anticyclone spread over us from the Atlantic, but by the end of the week this was giving way gradually, and the winds were moderate to strong from the Westward and Westward.

† Errata :—The corresponding values in last week's report should be "37" and "+5."

667 1|90 W. & S. Ltd.
218 70 10|95 1896

* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 241 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	53	38	50·4	40·6	45·4	− 1·4	30	4	6	1·30	+0·37	*	*	*	*
	Stornoway	54	31	51·7	38·4	44·9	− 2·0	35	10	7	1·63	+0·54	26·8	+ 6·0	36	+ 8
	Wick	54	36	51·3	39·0	45·0	− 2·6	34	8	5	0·71	−0·04	*	*	*	*
	Glencarron §	55	34	50·8	38·0	44·2	− 2·3	32	11	6	2·95	?+2·05	*	*	*	*
	Fort Augustus §	58	36	52·9	41·2	46·9	− 0·7	38	2	5	0·84	−0·11	10·5	?	14	?
	Fort William §	58	41	52·5	43·9	48·1	− 0·5	43	0	5	1·33	−0·43	16·7	?	22	?
1. SCOTLAND, E.	Nairn	58	35	54·1	38·1	45·9	− 2·0	44	11	3	0·32	−0·25	*	*	*	*
	Aberdeen	60	36	54·1	42·0	47·9	− 0·4	41	0	6	0·98	+0·33	20·1	− 1·5	27	− 2
	Braemar §	56	31	48·5	37·5	42·8	− 1·9	25	13	6	0·49	−0·40	19·8†	?†	26†	?†
	Ochtertyre §	63	35	56·0	42·4	49·0	+ 1·5	49	0	2	0·18	−0·74	*	*	*	*
	Leith	63	38	56·1	42·1	48·9	− 0·7	48	0	4	0·47	+0·04	*	*	*	*
	Marchmont §	59	37	49·7	43·0	46·3	− 0·5	30	0	5	1·61	+0·89	18·8	?	25	?
2. ENGLAND, N.E.	Alnwick Castle	61	39	53·3	42·0	47·5	− 0·8	39	0	4	1·81	+1·18	*	*	*	*
	Durham	62	38	54·9	42·0	48·3	− 0·1	41	0	6	1·52	+0·86	25·0	+ 5·7	33	+ 7
	Shields	61	40	54·6	44·3	48·8	− 0·5	48	0	3	1·05	+0·45	*	*	*	*
	Scarborough Ⓜ	*											*	*	*	*
	York	61	38	56·1	43·7	49·7	+ 0·2	54	0	5	1·11	+0·52	22·0	+ 2·7	29	+ 4
	Spurn Head	58	44	56·1	47·6	51·2	− 0·2	64	0	5	0·75	+0·24	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	60	35	56·6	44·1	50·2	+ 0·2	57	0	3	1·07	+0·48	17·1	− 5·4	23	− 6
	Yarmouth	59	37	55·9	45·1	50·3	− 0·6	58	0	5	1·50	+0·84	*	*	*	*
	Geldeston	60	36	56·0	44·4	50·5	− 0·5	60	0	5	1·50	+0·90	21·1	− 5·7	28	− 7
	Cambridge	62	37	56·6	43·6	49·9	− 0·6	55	0	5	0·70	+0·20	19·6	− 5·5	25	− 7
	Rothamsted	58	35	54·9	44·0	49·3	− 0·2	51	0	5	0·78	+0·11	14·6	?	19	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	61	37	56·4	42·6	49·3	− 0·2	51	0	4	1·13	+0·48	*	*	*	*
	Loughborough	61	38	57·0	44·6	50·6	+ 0·8	60	0	4	1·05	+0·40	*	*	*	*
	Stamford (Ketton Hall)	61	34	57·6	44·4	50·8	+ 1·0	62	0	4	0·57	−0·08	*	*	*	*
	Cheadle Ⓜ	56	36	53·7	42·7	48·0	− 0·2	42	0	4	0·41	−0·37	*	*	*	*
	Solihull	56	38	54·0	42·9	48·7	− 0·8	47	0	4	0·99	?	*	*	*	*
	Churchstoke Ⓜ	57	40	54·0	43·9	48·8	+ 0·2	48	0	4	0·52	−0·23	22·0	+ 0·2	29	0
	Hereford Ⓜ	59	37	56·7	44·3	50·3	+ 0·5	58	0	3	0·55	−0·09	*	*	*	*
	Cirencester	57	35	55·4	43·4	49·2	+ 0·2	50	0	2	0·73	+0·01	18·4	− 4·1	24	− 6
	Oxford	58	38	55·9	44·1	49·8	− 0·7	55	0	4	1·21	+0·60	14·8	− 8·9	19	−13
5. ENGLAND, S.	London	60	35	57·0	44·3	50·5	− 1·0	60	0	4	0·83	+0·23	13·1†	− 5·9†	17†	− 8†
	North Foreland	64	39	58·0	46·3	52·0	− 0·3	70	0	4	0·54	?	*	*	*	*
	Strathfield Turgiss Ⓜ	61	34	57·8	44·2	50·8	+ 0·5	62	0	5	0·81	+0·19	*	*	*	*
	Dungeness	64	36	59·0	47·4	53·0	+ 0·2	77	0	3	0·95	+0·23	*	*	*	*
	Hastings (St. Leonards)	63	40	58·4	46·8	52·4	− 0·5	73	0	3	1·29	+0·50	20·7	− 8·7	27	−12
	Southampton	64	38	60·7	46·5	53·4	+ 1·6	80	0	4	0·94	+0·19	24·6	− 2·2	32	− 3
	Hurst Castle	63	42	59·6	47·0	53·1	+ 0·2	78	0	4	0·74	−0·01	*	*	*	*
	Stowell Ⓜ	58	35	56·2	44·3	50·1	+ 0·3	57	0	4	1·08	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	37	54·9	41·9	48·2	− 0·4	44	0	7	3·59	+1·82	*	*	*	*
	Glasgow	57	41	52·6	43·9	48·1	− 0·1	43	0	4	1·07	+0·23	13·8	− 2·0	18	− 4
	Ardrossan	57	41	54·7	45·0	49·7	− 0·2	54	0	4	0·55	−0·35	*	*	*	*
	Glenlee §	57	33	53·1	40·8	46·7	− 0·9	38	3	5	0·55	−0·73	*	*	*	*
	Douglas (Isle of Man)	58	36	54·5	43·8	49·0	− 0·8	49	0	4	0·16	−0·78	29·5	+ 5·5	39	+ 7
7. ENGLAND, N.W.	Stonyhurst	54	41	52·0	44·5	48·1	− 1·1	43	0	5	0·97	−0·23	25·8	+ 5·8	34	+ 8
	Blackpool Ⓜ	59	45	55·9	48·1	51·9	+ 2·0	69	0	5	0·45	−0·48	26·5	+ 6·5	35	+ 8
	Manchester (Prestwich)	57	38	54·0	43·3	48·5	− 0·9	46	0	5	0·66	−0·24	19·2	?	25	?
	Liverpool Obsy. (Bidston)	56	46	54·1	47·7	50·8	+ 0·1	62	0	5	0·46	−0·37	*	*	*	*
	Llandudno Ⓜ	57	48	55·0	49·4	52·1	+ 0·2	71	0	7	0·74	−0·11	19·4	+ 1·4	26	+ 2
	Holyhead	57	46	54·9	47·4	51·0	− 1·3	63	0	4	1·19	+0·27	*	*	*	*
8. ENGLAND, S.W.	Llandovery	62	32	57·3	39·1	47·9	− 2·3	53	8	4	0·88	−0·32	*	*	*	*
	Pembroke	57	47	55·0	50·0	52·4	− 0·2	73	0	3	1·46	+0·24	23·4	− 0·6	31	− 1
	Bristol (Montpelier)	62	38	59·1	45·7	52·2	+ 2·2	71	0	2	0·35	−0·48	*	*	*	*
	Arlington (N. Devon)	57	38	55·0	44·6	49·7	− 0·9	54	0	3	0·52	−0·72	*	*	*	*
	Cullompton Ⓜ	60	32	58·7	43·2	50·7	0·0	61	0	3	0·68	−0·22	17·5	− 4·9	23	− 7
	Falmouth	61	44	57·0	47·9	52·3	− 0·6	72	0	4	1·12	−0·12	16·8	− 9·7	22	−13
	Plymouth	61	37	57·4	44·2	50·6	− 2·0	60	0	3	0·81	+0·01	15·7	− 9·5	20	−14
	Prawle Point	62	41	58·1	45·9	51·8	− 0·9	69	0	3	2·27	+1·48	*	*	*	*
9. IRELAND, N.	Malin Head	54	44	52·1	47·1	49·5	+ 0·8	53	0	6	1·02	?	*	*	*	*
	Londonderry	56	37	52·9	42·7	47·7	− 1·7	40	0	7	0·83	−0·10	*	*	*	*
	Edenfel (Omagh)												*	*	*	*
	Belmullet	55	40	52·4	45·4	49·3	− 2·9	51	0	4	0·54	?	*	*	*	*
	Markree Castle	57	33	54·6	40·4	47·3	− 1·5	44	4	6	0·21	−0·62	19·8	+ 0·1	26	0
	Brookeborough	57	32	53·2	40·1	46·5	− 1·3	39	5	4	0·13	−0·77	*	*	*	*
	Armagh	57	37	54·1	41·3	47·5	− 1·0	41	2	2	0·27	−0·40	26·1	+ 7·1	34	+ 9
	Donaghadee	57	38	55·0	42·3	48·5	− 1·4	46	0	2	0·09	−0·60	*	*	*	*
	Edgeworthstown	56	36	53·6	40·1	46·7	− 1·7	41	5	1	0·16	−0·54	*	*	*	*
10. IRELAND, S.	Dublin	53	39	54·8	44·2	49·3	− 1·5	51	0	2	0·24	−0·40	31·0	+ 7·1	41	+ 9
	Parsonstown	56	31	53·7	39·7	46·5	− 2·6	41	6	3	0·43	−0·27	22·5	+ 0·6	30	+ 2
	Kilkenny	57	34	54·3	41·3	47·3	− 2·4	42	2	3	0·16	−0·49	*	*	*	*
	Roche's Point	59	41	55·9	44·7	50·1	− 2·1	57	0	2	0·59	−0·39	*	*	*	*
	Valencia	56	38	55·0	46·0	50·4	− 2·3	59	0	3	0·55	−0·69	24·6	+ 2·1	32	+ 1
	Killarney	57	30	54·3	38·4	46·3	− 4·8	45	10	3	1·01	?	*	*	*	*
	Foynes	55	38	53·4	44·9	49·0	− 0·8	49	0	4	0·78	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	60	49	57·3	51·0	54·1	− 0·4	85	0	4	0·36	−0·17	19·1	?	25	
	Jersey	64	44	60·3	51·7	55·9	+ 0·9	97	0	4	1·62	+0·67	25·3	− 4·5	33	− 7

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

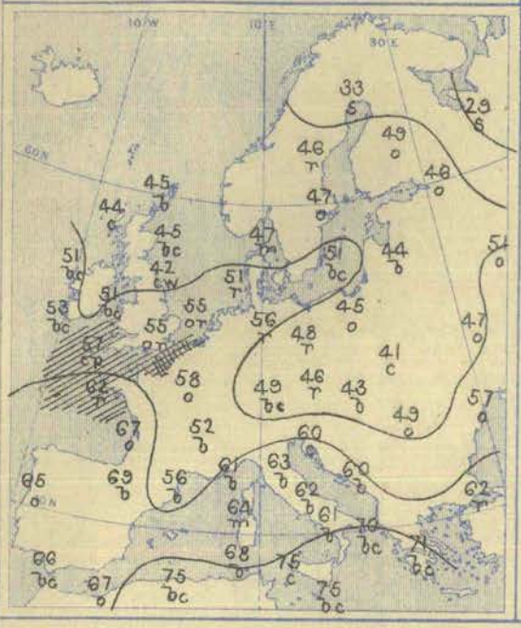
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 6th October.

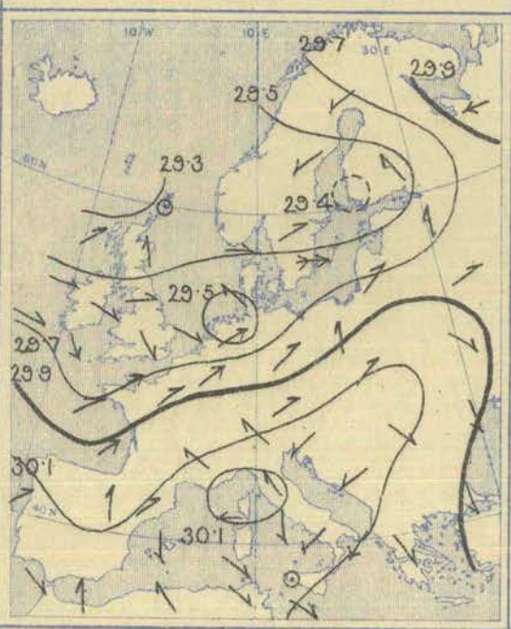
Temperature and Weather.

8 a.m.

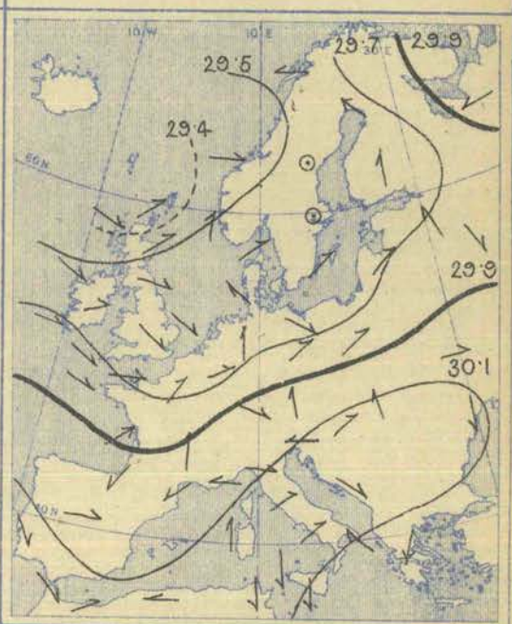


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Ireland and Scotland, and also over the greater part of southern Europe. Cloudy or overcast elsewhere, with rain in the south and east of England, as well as in many parts of Denmark and Germany. Snow falling in Lapland and the extreme north of Russia. Heavy rain falling later over France, Belgium, and Germany, and smaller amounts in Russia. Thunderstorm occurring at Bordeaux at night.

Temperature risen over England, France, Germany, and the Netherlands, but fallen in most other countries. Morning readings highest, 75° at Palermo, Malta, and Algiers, 74° at Palma, and 73° at Sfax; above 65° in the west of France, and above 60° at most of the English Channel stations. Lowest, (1) 29° at Archangel, 33° at Haparanda, and 38° at Uleaborg; (2) 40° at Buda-Pesth, and 41° at Lemberg; below 45° over central Scotland. Rising during day to between 60° and 64° at most stations in central and southern England; exceeding 70° over southern Europe generally, the highest readings of all being 86° at Cape Béarn and Palermo, and 82° at Bilbao and San Fernando.

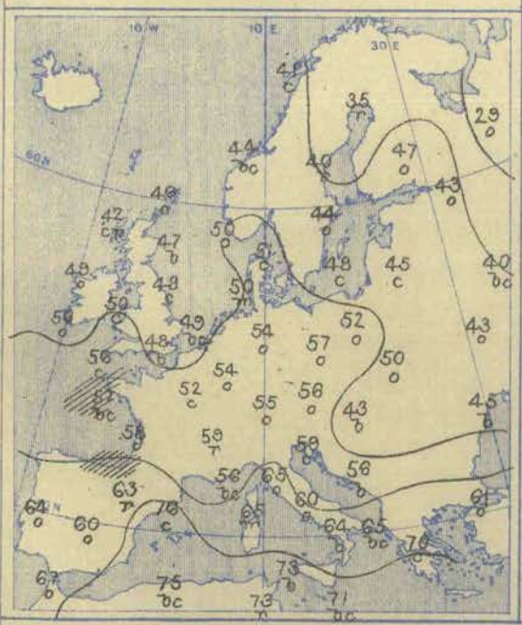
Wind South-Westerly in most parts of Great Britain, France, Germany, and the Netherlands, and strong in force over the English Channel, light to moderate from the Westward in Ireland. Westerly also in the south of Scandinavia, with a gale at Wisby; strong from the Eastward over Lapland and northern Russia; light and variable in Austria; Northerly in Italy and the south of Russia. Subsequently veering to the Westward or North-Westward over Great Britain, and falling light in the Channel; becoming very variable in Italy.

Barometer highest, 30·1 ins. and upwards in an anticyclone covering Austria, Italy, Spain, and the western parts of the Mediterranean. Lowest, 29·3 ins. and less in a depression lying off the north of Scotland; 29·5 ins. and less in a well-marked disturbance over the southern part of the North Sea; 29·6 ins. and less in a shallow system over the south-west of England. Two last-mentioned disturbances subsequently moving eastwards; barometer rising in our Islands, but falling at most of the Continental stations.

Monday, 7th October.

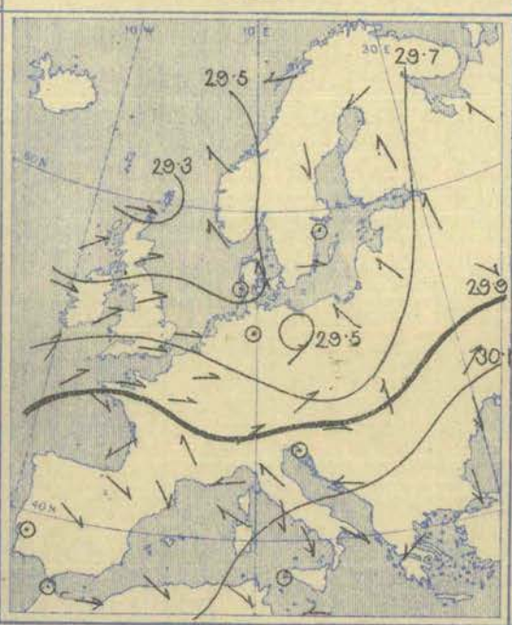
Temperature and Weather.

8 a.m.

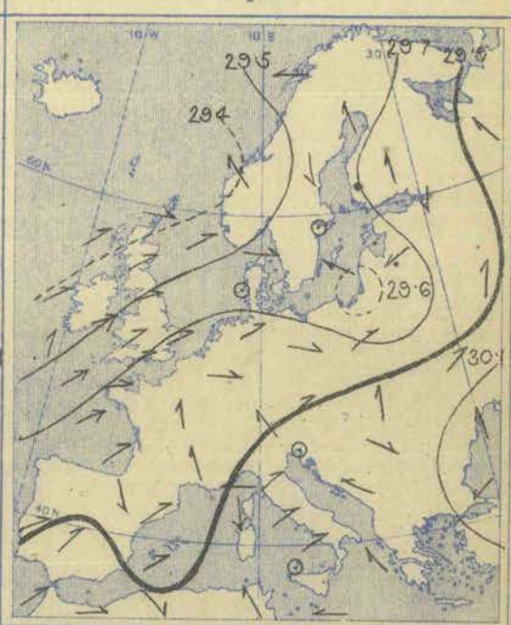


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but dull in the west of Ireland, and showery on our extreme north-west coasts. Cloudy or dull over the Continent generally, with rain over the north of Sweden and the central and southern parts of France, as well as at Swinemünde. Fine over the southern parts of Russia and Italy. Rain falling during day in most of the western and northern countries, heavily over France and the western parts of the English Channel. Solar and lunar halos seen at many of the English stations, and thunderstorms occurring in the west and south of France.

Temperature fallen in most places. Morning readings highest, 76° at Barcelona, 75° at Algiers, 73° at Palermo and Sfax, and 71° at Malta; above 60° at most of the Mediterranean stations. Lowest, 29° at Archangel, 35° at Haparanda, and 40° at Hernösand and Moscow, below 45° in most parts of Russia and Scandinavia, and also in many parts of Ireland and Scotland. Thermometer over our Islands remaining below 60° all day, excepting in the extreme south, and below 55° on many parts of our northern and north-western coasts. Exceeding 75° over southern Europe as a whole, and reaching 84° at Barcelona, and 82° at Palermo.

Wind light to moderate from the West or South-West over our Islands and the Netherlands; South-Westerly in Germany; South-Easterly in Denmark and Norway. North-Westerly over the Bay of Biscay and the Spanish Peninsula, but South-Easterly over the central and southern parts of France. Calm in Austria; Northerly in Greece and the south of Italy. Subsequently backing towards the Southward on many parts of our western coasts, but veering to the South-Westward or Westward in Norway and Denmark.

Barometer highest, 30·1 ins. and upwards over south-eastern Europe and the eastern parts of the Mediterranean. Lowest, 29·3 ins. and less in a depression lying off the north of Scotland; 29·5 ins. and less in another system over north Germany. Scotch disturbance subsequently moving away to the north-eastward; German depression passing on to the Baltic provinces. New depression advancing towards our south-west coasts in evening, and occasioning brisk fall of barometer in that region.

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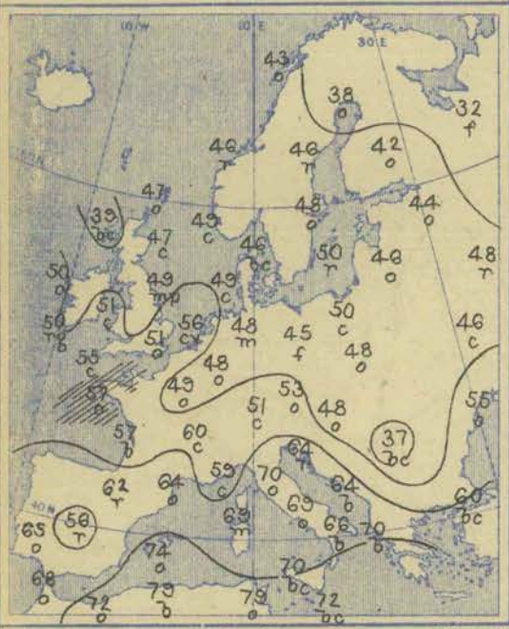
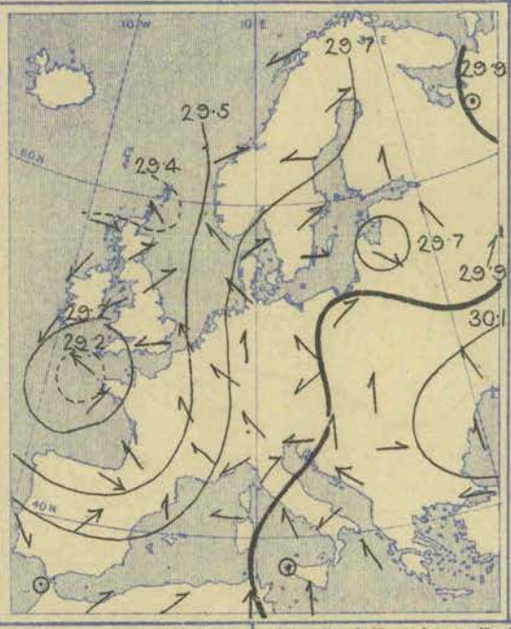
Tuesday, 8th October.

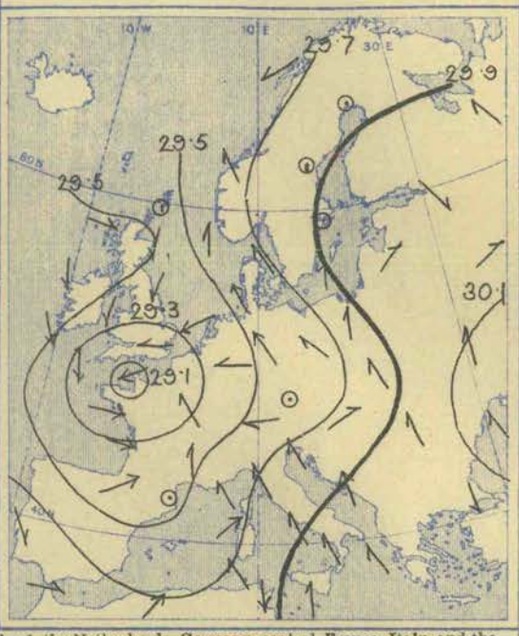
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy or dull over Europe as a whole, with rain in many parts of Ireland and England, as well as in Spain and the south of France. Rain falling also at several of the Scandinavian stations, and at Moscow and Trieste. Fine in Scotland and also over Denmark, the south of Norway, and the southern parts of Italy. Heavy rain falling during day over England and the north of France. Severe thunderstorms and very heavy rain reported over the south of France and northern Italy, amounts exceeding an inch in many places, the largest of all being 4·4 ins. at Nice, and 3·4 ins. at Leghorn.

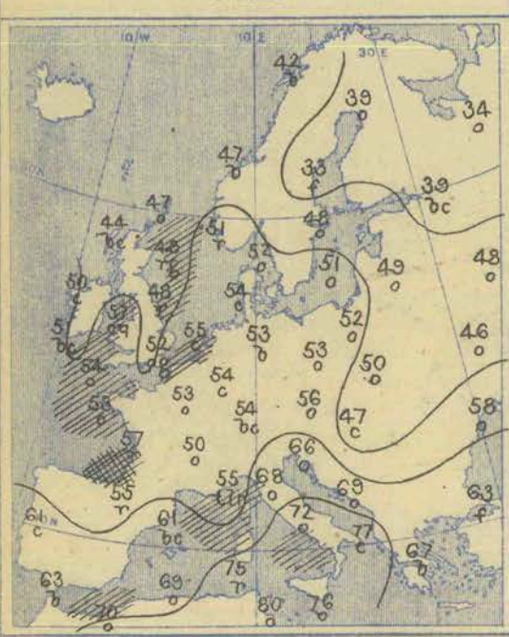
Temperature risen a little in most parts of north-western and northern Europe, and also in Italy, fallen in most other localities. Morning readings highest, 79° at Algiers and Sfax, 74° at Palma, and 72° at Nemours and Malta; above 60° over southern Europe generally. Lowest, (1) 32° at Archangel, 38° at Haparanda, and 40° at Uleaborg; (2) 39° at Stornoway and Nairn, and 40° at Leith. Daily maxima below 60° in all parts of the United Kingdom, and below 55° at several of our western and northern stations. Thermometer exceeding 70° in many parts of southern Europe, and reaching 79° at Barcelona and Brindisi.

Wind South-Easterly over England, the Netherlands, Germany, central France, Italy, and the Adriatic, light to moderate in force generally, but very strong in the Channel Islands. Light from North-East in Ireland, moderate to fresh from the Westward or South-Westward over the Bay of Biscay and the Spanish Peninsula. Light from West or South-West in the north of Scotland and also over the southern parts of Scandinavia; Southerly in Russia and Austria. Subsequently backing to the Northward on our west and south-west coasts, and blowing strongly in many places.

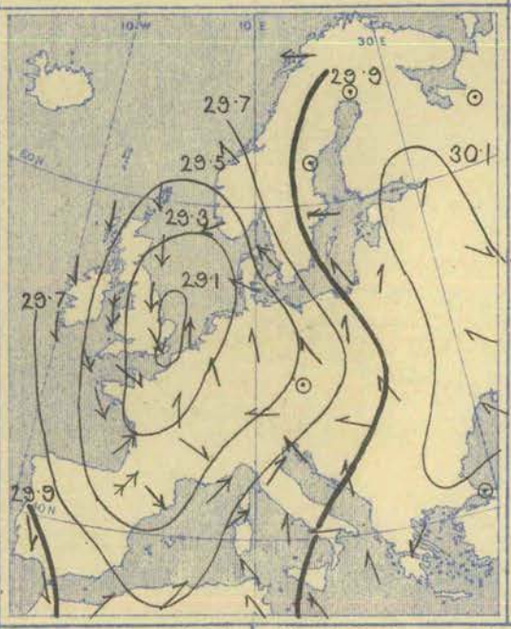
Barometer highest, 30·1 ins. to 30·2 ins. over the Black Sea and the south of Russia; 30·0 ins. and upwards over south-eastern Europe generally. Lowest, 29·2 ins. and less in a well-marked depression lying off the mouth of the English Channel; 29·4 ins. and less in a shallow disturbance off the north of Scotland; 29·7 ins. and less in another system over the Baltic provinces. Channel depression moving slowly eastwards during day, but afterwards travelling in a north-north-easterly direction across the south-east of England; barometer rising again on our western coasts.

Wednesday, 9th October.

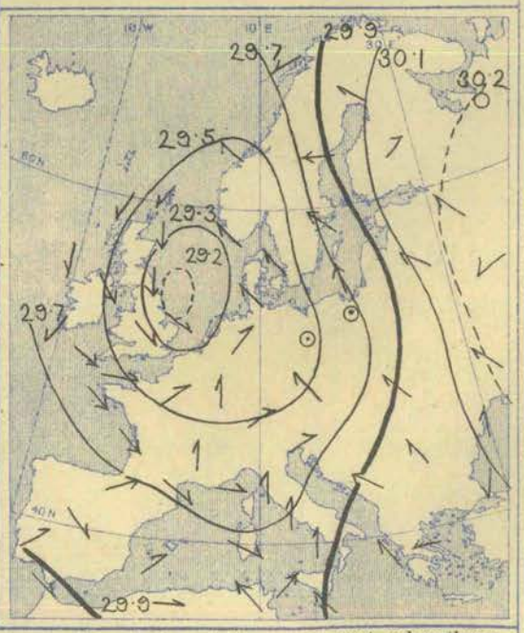
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine in Ireland and the extreme south-west of England, as well as in Germany, the Netherlands, and the west of Norway. Cloudy or dull in most other parts of Europe, with rain in the eastern and central parts of Great Britain, as well as in the west and south of France. Some improvement taking place later over the central and southern parts of England, but rain continuing over our north-eastern districts. Thunderstorms and heavy rains again occurring in many parts of France and northern Italy; fall amounting to as much as 3·6 ins. at Rome, 1·4 ins. at Florence, and 1·3 ins. at Rochefort.

Temperature risen in the north of our Islands, and also in Norway, Denmark, Germany, and Italy, fallen in most other localities. Morning readings, 80° at Sfax, 77° at Brindisi, and 76° at Malta; above 70° at several of the Mediterranean stations. Lowest, (1) 33° at Hernösand, 34° at Archangel, 37° at Kharkov, and 39° at Uleaborg and St. Petersburg; (2) 40° at Parsonstown. Daily maxima below 55° over the greater part of the United Kingdom, and below 50° at some of our northern stations. Exceeding 70° in many parts of southern Europe, and reaching 93° at Palermo

Wind Northerly over our Islands generally, and strong in force on our west and north-east coasts, with a gale at Holyhead. Strong from the Southward in the extreme south-east of England, moderate from the same quarter in the Netherlands; South-Easterly over Germany and Denmark. Easterly at most of the Scandinavian stations; calm over the northern parts of Sweden. Strong from the South-Westward in the south of France, with a gale at Biarritz; North-Westerly over Spain; Southerly or South-Easterly in Italy. Increasing later to a gale from the Northward over Scotland and the Irish Sea; wind backing to North-West over the southern parts of England. Strong Easterly and South-Easterly winds setting in over Sweden.

Barometer highest, 30·1 ins. and upwards over central and southern Russia; 29·9 ins. and upwards in the south of Portugal. Lowest, 29·1 ins. and less in an elongated depression lying over the east and south-east of England. Depression subsequently moving northwards along our east coasts, barometer rising briskly over France and the southern parts of England

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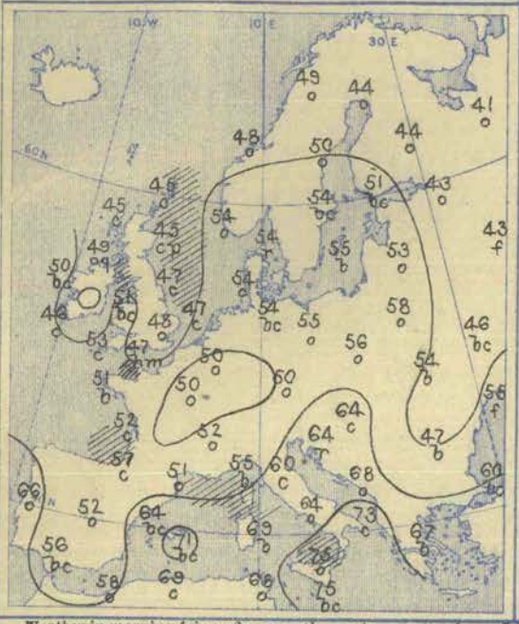
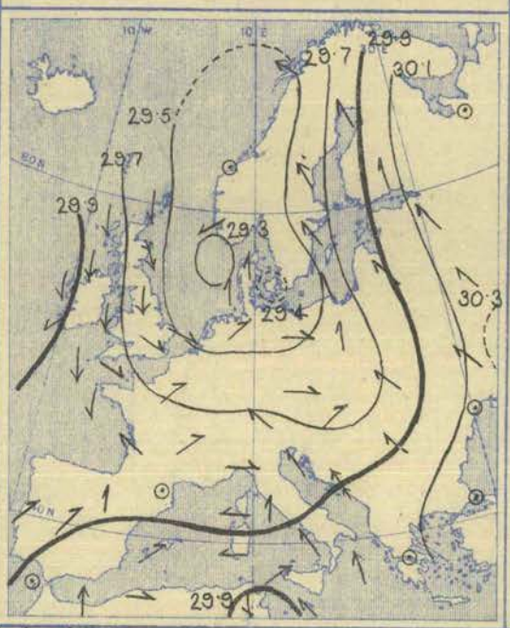
Thursday, 10th October.

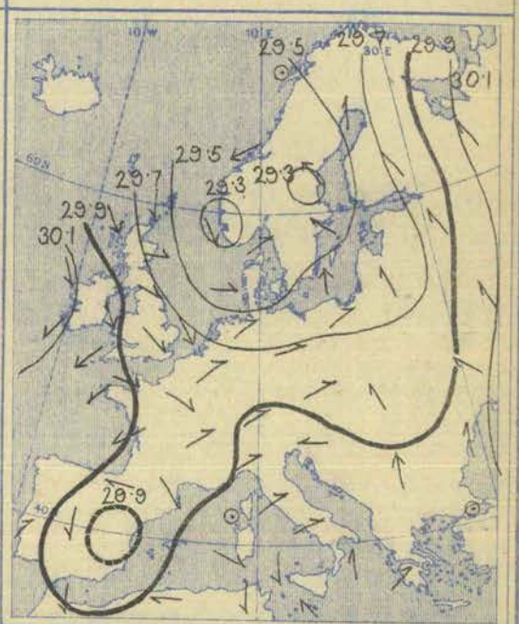
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the western parts of our Islands and France, as well as over the south of Sweden and the greater part of south-eastern Europe. Cloudy or dull elsewhere, with showers on our north and east coasts, and with steady rain over central England, as well as in many parts of Denmark, Germany, and the south of Norway. No important change occurring over our Islands later, but heavy rain falling on the eastern and southern shores of the North Sea. Thunderstorm reported at Carlsruhe.

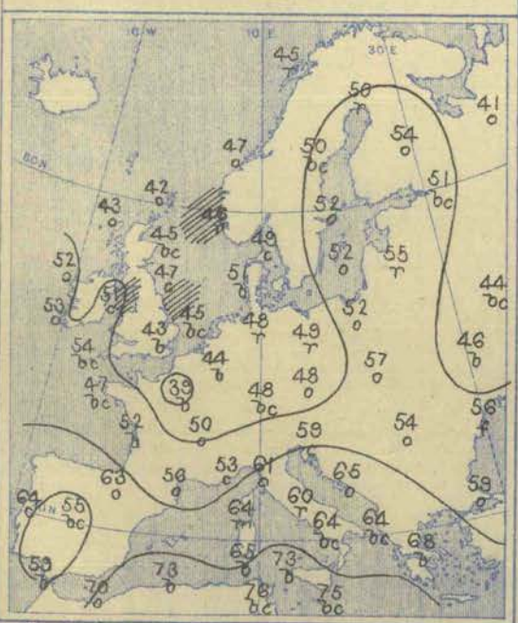
Temperature risen over the northern and central countries, but fallen elsewhere. Morning readings highest, 79° at Sfax, 75° at Palermo and Malta, and 73° at Brindisi; above 60° at the Mediterranean, Adriatic, and Spanish coast stations generally. Lowest, (1) 34° at Parsonstown, and 44° at Nairn and Loughborough; (2) 41° at Archangel, and 43° at St. Petersburg and Moscow. Daily maxima below 55° in many parts of the United Kingdom, and below 50° at some of our northern stations. Thermometer exceeding 70° in many parts of southern Europe, and reaching 79° at Brindisi, Cagliari, and Malta. Sharp ground frost over the south-east of England at night.

Wind Northerly over the western and northern parts of our Islands, with a gale in the Irish Sea and the east of Scotland; moderate from the North-Westward in the south and east of England; South-Westerly or Southerly over Denmark, Germany, the Netherlands, and central France; South-Easterly over Sweden and Russia; Southerly over the greater part of southern Europe, with a gale at Lesina, but calm in the south of France. Wind subsiding later on our north and north-west coasts, and backing to the North-Westward or Westward.

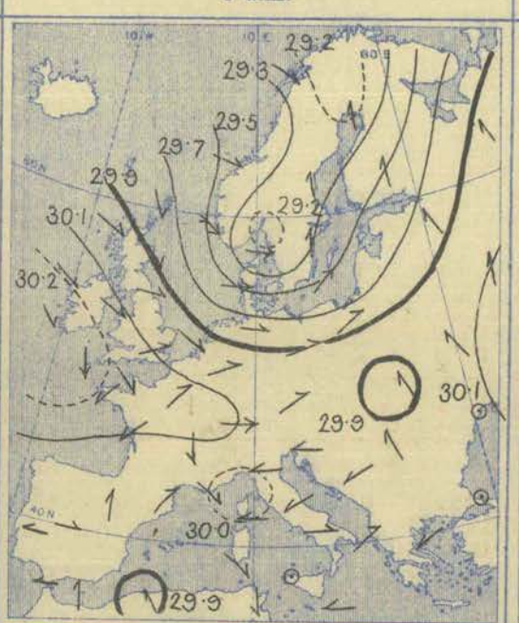
Barometer highest, 30·2 ins. and upwards in a large anticyclone over Russia; 29·9 ins. and upwards in another system just appearing off the west of Ireland. Lowest, 29·3 ins. and less in a depression lying off the south of Norway; 29·4 ins. and less in another disturbance lying between Zeeland and the German coast. Anticyclone in west subsequently spreading eastwards; depressions moving northwards—the former over the south of Norway, and the latter to central Sweden.

Friday, 11th October.

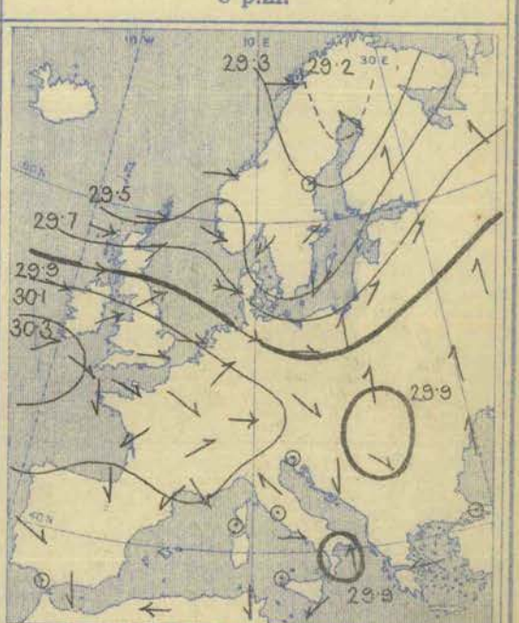
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the United Kingdom generally, as well as in the Netherlands, the northern and central parts of France, and the southern parts of Spain, Italy, and Russia. Cloudy or dull elsewhere, with rain at several of the Scandinavian stations, and also over north Germany, the Baltic, and the Gulf of Finland. Rain falling later in all the more northern parts of our Islands, heavily at Stornoway, but weather remaining fair over our southern districts. Thunderstorm occurring at Memel.

Temperature changed very little in our Islands, but fallen at most of the Continental stations. Morning readings highest, 76° at Sfax, 75° at Malta, 73° at Palermo and Algiers, and 72° at Aumale; above 60° at most of the Mediterranean and Spanish coast stations. Lowest, (1) 39° at Paris, and 44° at Brussels; (2) 41° at Archangel, and 44° at Moscow; (3) 42° at Sumburgh Head, and 43° at Stornoway; (4) 43° in London. Daily maxima a little above 55° in many parts of our Islands, and thermometer reaching 60° at Jersey and at Hurst Castle. Exceeding 70° over Spain and the southern parts of France and Italy, and reaching 82° at Palermo.

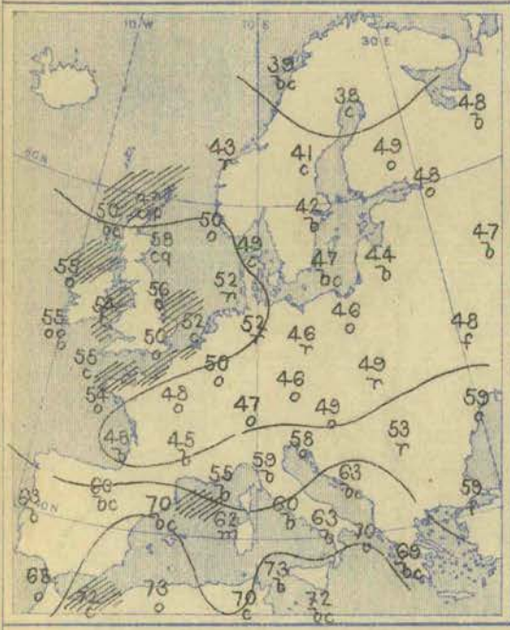
Wind moderate from the North-Westward over our Islands, strong from the same quarter or from West on the eastern shores of the North Sea, with a strong gale at Skudesnaes; moderate from South-West in Germany; light from the Southward over Sweden and Russia. Light or moderate from the North-Eastward in the west of France, and from the Eastward on the Spanish coasts; variable over Italy, Austria, and the south of France. Subsequently backing to the Westward in all the more northern parts of our Islands, and increasing considerably in force. Westerly to North-Westerly gale springing up in Denmark.

Barometer highest, 30·2 ins. and upwards in an anticyclone extending from the Atlantic over all the more south-western parts of our Islands; 30·4 ins. and upwards in another system over the central and southern parts of Russia. Lowest, 29·2 ins. and less in a well-marked depression over the Christiania Fiord, and also in a shallower system over the north of Scandinavia. Norwegian depression subsequently moving slowly south-eastwards and dispersing, but new disturbance approaching our northern coasts from the north-westward; barometer falling briskly in the north of Scotland.

Saturday, 12th October.

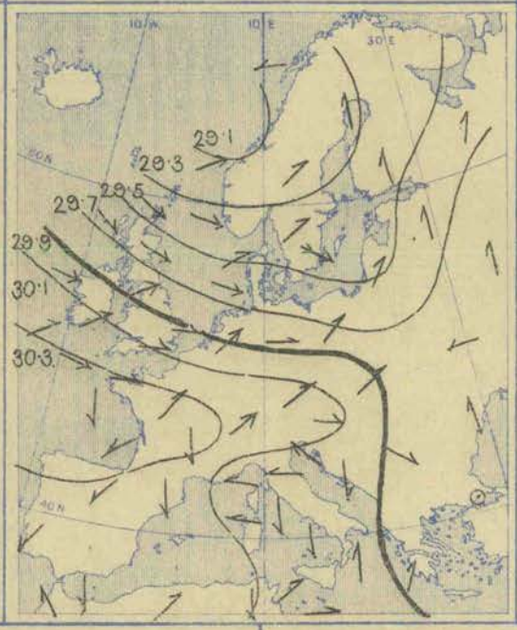
Temperature and Weather.

8 a.m.

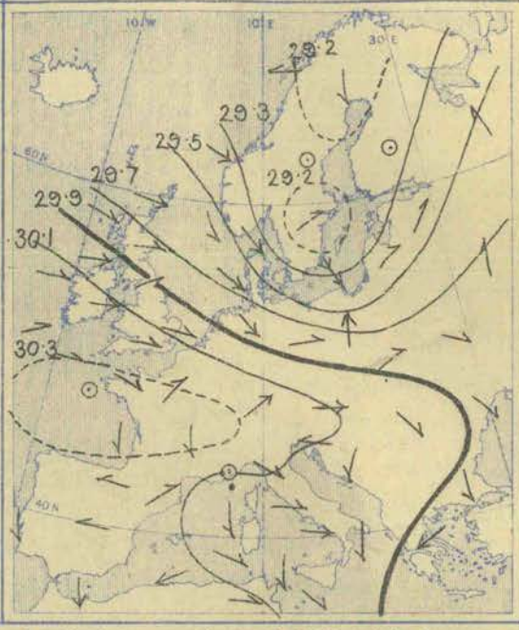


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over our Islands and the northern, eastern, and central parts of the Continent generally, with rain at some of the Scotch stations, as well as in Denmark, north Germany, and the eastern parts of Austria. Fine over southern Europe generally, and also in the south of Sweden. Slight rain falling during day in the extreme north and north-west of our Islands, and larger quantities at several of the Scandinavian, Danish, and German stations. Bright aurora seen at Aberdeen.

Temperature risen in our Islands, but fallen at most of the Continental stations. Morning readings highest, 76° at Sfax, 73° at Palermo and Algiers, and 72° at Malta and Oran; above 60° over southern Europe generally, and above 55° at several of our own northern stations. Lowest, (1) 38° at Haparanda, 39° at Bodö, and 41° at Hernösand; (2) 35° at Limoges, 39° at Le Mans, and 40° at Belfort. Rising during day to between 60° and 63° over the eastern and southern parts of Great Britain; exceeding 70° over Spain and the southern parts of France and Italy, and reaching 81° at Palermo.

Wind Westerly over our Islands and the North Sea generally, but North-Westerly in the north of Scotland; strong to a gale in force on our northern coasts. Moderate to strong from the South-Westward over Germany; Southerly in Russia; calm or light from the Eastward in the north of Scandinavia. Variable in Italy and Austria; light from the North-Eastward over the Spanish Peninsula and the west of France; wind subsiding later in the north, but increasing from the North-Westward on the Norwegian coasts.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying over the Bay of Biscay and the greater part of France. Lowest, 29·1 ins. and less in a depression lying off the west of Norway; gradients moderate to rather steep over the north-western and central countries. Depression subsequently moving eastwards; barometer rising over western Europe generally, but falling on our extreme south-west coasts.

GENERAL NOTES.

At the commencement of the week barometrical pressure was highest over southern Europe and the Mediterranean, and lowest in a cyclonic system lying off the north of Scotland, the weather over England being influenced by secondary disturbances which travelled eastwards across our southern counties.

On the 7th, however, the anticyclone began to move away to the eastward, and on the following morning a well-marked depression appeared off the mouth of the Channel, shallow secondary systems being at the same time developed over France and northern Italy. The main depression travelled, first in an easterly direction along the Channel, and afterwards in a north-easterly and northerly direction across our south-eastern counties and the North Sea to the south of Scandinavia, where it finally dispersed on the night of the 11th. Its progress was attended throughout by heavy rains, and in its rear the wind in our Islands increased to a gale from the Northward. The secondary disturbances over southern Europe occasioned severe thunderstorms and exceptionally heavy rains over northern Italy and the south of France on the 8th and 9th, the fall at Nice on the former day being as much as 4·4 ins.

On the 10th, a large anticyclone spread over Spain, France, and the south of our Islands from the westward, and a decided improvement in the weather was therefore experienced in those regions. In the north, however, the conditions were affected by a depression which advanced from the Atlantic towards the west of Norway, and on the night of the 11th slight Westerly gales were experienced on many parts of our northern coasts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 242.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	29·8	?	28	?	EASTBOURNE	17·5	?	23	?
OSWALDKIRK (Yorkshire)	24·7	?	32	?	MANCHESTER (Oldham Road)	14·0*	?	18*	?
WORKSOP	17·7	− 2·1	23	− 3	TENBY	17·4*	?	23*	?
THURCASTON (Leicestershire)	16·7	− 2·9	22	− 4	NEWQUAY	12·7	?	16	?
MARGATE	19·2	?	25	?	TORQUAY	22·3*	?	29*	?
WESTBOURNE (Sussex)	21·5*	?	28*	?	ARLEY COTTAGE (County Cavan)	25·5	?	34	?
BRIGHTON	22·2	?	29	?	GUERNSEY	27·3*	?	35*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
June 1st, 1895.	Scarborough	74	44	67·3	49·8	57·7	+ 6·1	110	0	2	0·36	− 0·12	—	—	—	—
,, 22nd, ,,	Edenfel	69	37	61·4	42·6	51·4	− 4·5	66	0	3	0·57	− 0·04	—	—	—	—
,, 29th, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	60·5	?	54	?
July 6th, ,,	Scarborough	74	47	65·9	51·1	58·0	− 0·1	112	0	3	1·04	+ 0·51	—	—	—	—
,, ,, ,,	York	—	—	—	—	—	—	—	—	—	—	—	44·3	+ 6·8	38	+7
,, 13th, ,,	York	—	—	—	—	—	—	—	—	—	—	—	57·1	+20·2	49	+18
,, ,, ,,	Edgeworthstown	72	43	64·9	49·4	56·6	− 0·8	102	0	5	0·64	− 0·14	—	—	—	—
,, ,, ,,	Worksop	—	—	—	—	—	—	—	—	—	—	—	58·6	+23·3	51	+19
,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	54·0	?	49	?
,, 20th, ,,	Scarborough	73	47	67·0	51·5	58·7	− 0·7	117	0	5	1·73	+1·08	—	—	—	—
,, 27th, ,,	Stowell	68	51	65·3	55·1	59·8	− 0·3	125	0	6	1·23	?	—	—	—	—
,, ,, ,,	Foynes	67	49	62·1	52·5	57·0	− 1·3	105	0	5	1·72	?	—	—	—	—
Aug. 3rd, ,,	Churchstoke	65	43	61·9	47·8	54·9	− 3·2	90	0	3	0·33	− 0·33	16·2	− 5·0	15	− 5

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 42.] *Third Series.* WEEK ENDING SATURDAY, OCTOBER 19TH, 1895. [*Price* 6*d.* *Annual Subscription, post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 248.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	57	29	51·4	38·7	44·8	1 below	33	− 1	9	+ 2	2051	+325	825	+255
	1. SCOTLAND, EAST	62	26	51·6	37·6	44·4	2 below	35	− 4	12	+ 4	2297	+ 91	1005	+408
	2. ENGLAND, N.E.	59	29	52·7	41·1	46·8	1 below	37	− 6	3	− 2	2604	+265	786	+265
	3. ENGLAND, EAST	65	27	55·5	41·5	48·2	0 (average)	46	− 3	1	− 7	2928	+204	855	+267
	4. MIDLAND COUNTIES	65	25	54·8	39·9	47·2	1 below	45	0	6	− 3	2897	+228	940	+352
	5. ENGLAND, SOUTH	67	27	57·2	43·3	50·1	0 (average)	57	+ 1	0	− 6	3129	+186	755	+320
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	25	52·2	39·4	45·6	2 below	36	− 7	7	+ 1	2452*	+178	785	+357
	7. ENGLAND, N.W.	59	29	53·8	42·0	47·7	1 below	40	− 6	0	− 3	2723	+268	725	+296
	8. ENGLAND, S.W.	65	27	56·2	45·8	50·8	1 above	62	+ 7	0	− 2	2924	+198	654	+333
	9. IRELAND, NORTH	61	27	53·6	41·5	47·4	0 (average)	40	− 5	1	− 3	2534*	+115	636	+261
	10. IRELAND, SOUTH	66	33	57·0	46·5	51·6	2 above	67	+14	0	− 4	2766	+ 47	479	+187
	—CHANNEL ISLANDS	66	45	60·2	51·3	55·6	2 above	95	+23	0	0	3373	+271	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 248.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	3	9 less	186	− 6	37·2	− 1·9	23	+ 3	32	+ 4	999	− 6	29	0
	1. SCOTLAND EAST	4	6	1 less	150	− 8	23·7	− 1·4	30	+17	42	+23	1251	+127	36	+ 3
	2. ENGLAND, N.E.	4	14	8 more	146	0	22·8	+ 2·0	26	+ 7	36	+10	1345	+225	35	+ 6
	3 ENGLAND, EAST	2	2	4 less	124	−18	18·8	− 1·8	19	− 4	26	− 6	1581	+222	42	+ 6
	4. MIDLAND COUNTIES	1	2	5 less	120	−20	18·2	− 4·8	21	+ 1	29	+ 1	1466	+250	38	+ 6
	5. ENGLAND, SOUTH	1	1	6 less	114	−22	16·9	− 4·7	27	+ 1	36	0	1652	+221	42	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	10	2 less	156	− 9	28·2	−11·6	23	+ 5	32	+ 6	1294	+ 79	34	+ 3
	7. ENGLAND, N.W.	3		3 less	137	−15	23·7	− 3·6	26	+12	35	+15	1270	+207	37	+ 6
	8. ENGLAND, S.W.	2	2	8 less	122	−35	24·8	− 6·1	21	− 2	29	− 3	1693	+236	44	+ 6
	9. IRELAND, NORTH	3	15	7 more	167	−13	26·5	− 1·8	26	+10	36	+14	1201	+116	32	+ 3
	10. IRELAND, SOUTH	3	6	2 less	140	−23	27·0	− 3·7	19	− 3	25	− 5	1328	+ 31	35	+ 1
	—CHANNEL ISLANDS	2	4	6 less	137	−29	20·3	− 5·0	36	+13	49	+18	1884	+235	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was fair at the commencement of the week in most parts of our Islands, but rain had set in in the north-west, and during Monday and Tuesday the unsettled conditions spread to all districts, the rainfall over the north-east of England being heavy. By Wednesday, however, fair, dry, weather again prevailed generally, and continued until the end of the period.

Temperature was rather below the mean in the north and north-west, and a little above it in some of the south-western districts, while in England E. and S., and in Ireland N., it just equalled the normal. The highest of the maxima were recorded on the 15th over England, and on irregular dates in Ireland and Scotland, and ranged from 67° in England S., and 66° in Ireland S. and the Channel Islands, to 57° in Scotland N. The lowest of the minima were registered, as a rule, on the 18th, when the thermometer fell to between 25° and 29° over England, 27° and 33° in Ireland, and 25° and 29° in Scotland. In the Channel Islands the lowest reading was 45°. The lowest reading reported on the grass was 24°, which occurred at Loughborough and Gilcrux (Carlisle) on the 17th.

Rainfall greatly exceeded the mean in England N.E. and Ireland N., but elsewhere there was a considerable deficit. Over southern, central, and eastern England the fall was very slight.

Bright Sunshine was more prevalent than during the preceding week, and exceeded the normal in most districts. The percentage of the possible duration ranged from 49 in the Channel Islands, and 42 in Scotland E., to 26 in England E., and 25 in Ireland S.

Barometer and Wind.—During the early days of the period, the winds and weather over our Islands were affected by some large depressions passing eastwards over Scandinavia, and by others which appeared over our south-western and western districts from the Atlantic. By the 16th, however, an anticyclone had arrived off our north-western coasts, and during the remainder of the week, this system travelled slowly to the south-eastwards and spread all over the Kingdom. The winds were consequently mainly Easterly in direction, and light or moderate in force, but towards the end of the period they increased considerably in strength at our south-western stations.

* This value has been altered owing to the receipt of further information for a preceding week.

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213 70 10|95 1896

II.—DATA from which the SUMMARY on page 247 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	53	35	49·7	40·3	44·9	− 0·7	27	5	6	0·40	−0·56	*	*	*	*
	Stornoway	57	37	53·0	40·7	46·7	+ 1·0	38	4	4	0·57	−0·58	22·2	+ 3·1	32	+ 4
	Wick	57	30	52·0	37·0	44·3	− 1·8	37	14	4	0·34	−0·36	*	*	*	*
	Glencarron Ⓢ	53	31	49·9	36·3	42·9	− 2·1	32	15	4	0·47	−1·53	*	*	*	*
	Fort Augustus Ⓢ	56	29	52·1	37·6	44·6	− 1·4	37	12	2	0·12	−0·81	18·7	?	26	?
	Fort William Ⓢ	55	32	51·5	40·0	45·6	− 1·6	34	6	3	0·10	−1·68	26·6	?	37	?
1. SCOTLAND, E.	Nairn	57	31	53·4	37·1	45·0	− 1·4	42	14	4	0·37	−0·17	*	*	*	*
	Aberdeen	62	33	53·7	39·3	46·3	− 0·6	41	8	5	0·55	−0·10	36·6	+16·2	52	+23
	Braemar Ⓢ	54	26	48·6	33·5	41·8	− 2·4	18	33	4	0·17	−0·73	33·2†	?†	47†	?†
	Ochtertyre Ⓢ	59	30	53·1	37·3	45·0	− 0·8	41	13	3	0·24	−0·72	*	*	*	*
	Leith Ⓢ	58	29	53·6	39·6	46·4	− 1·7	41	7	4	0·85	+0·41	*	*	*	*
	Marchmont Ⓢ	56	32	46·9	39·0	42·8	− 2·5	18	8	4	1·69	+0·94	27·8	?	39	?
2. ENGLAND, N.E.	Alnwick Castle	56	30	50·0	40·1	44·9	− 2·1	28	5	4	2·35	+1·70	*	*	*	*
	Durham	58	29	53·1	37·7	45·2	− 1·8	40	12	6	1·82	+1·15	28·9	+10·2	40	+14
	Shields	59	33	55·1	40·4	46·6	− 1·1	39	4	3	2·18	+1·63	*	*	*	*
	Scarborough Ⓜ												*	*	*	*
	York	58	29	54·1	40·4	47·1	− 0·7	42	4	2	0·43	−0·17	21·5	+ 3·5	30	+ 6
	Spurn Head	55	42	53·3	46·9	50·0	+ 0·4	56	0	3	0·27	−0·24	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	60	31	56·1	40·6	48·1	− 0·3	49	4	3	0·32	−0·28	20·3	− 0·7	28	− 1
	Yarmouth	57	44	54·3	46·6	50·3	+ 1·0	58	0	3	0·21	−0·44	*	*	*	*
	Geldeston	60	35	55·5	40·4	47·7	− 1·5	47	4	3	0·18	−0·42	15·2	− 9·6	21	−13
	Cambridge	65	27	57·0	38·6	47·5	− 1·0	53	10	1	0·14	−0·38	21·4	− 2·1	29	− 4
	Rothamsted	59	31	54·4	41·1	47·6	− 0·2	43	3	1	0·09	−0·57	17·9	?	25	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	58	30	54·9	40·3	47·4	− 0·4	45	5	2	0·33	−0·29	*	*	*	*
	Loughborough	65	30	56·1	40·4	48·0	− 0·1	49	4	1	0·21	−0·42	*	*	*	*
	Stamford (Ketton Hall)	62	26	57·0	39·6	48·0	0·0	52	7	1	0·22	−0·43	*	*	*	*
	Cheadle Ⓜ	61	33	53·8	41·2	47·3	+ 0·7	40	2	2	0·28	−0·52	*	*	*	*
	Solihull	61	27	53·2	39·8	46·3	− 1·9	39	6	2	0·26	?	*	*	*	*
	Churchstoke Ⓜ	62	25	55·0	37·7	46·1	− 0·9	47	12	2	0·14	−0·63	?22·2	+ 2·2	?30	+ 2
	Hereford Ⓜ	58	26	54·7	39·8	47·0	− 1·2	44	6	1	0·12	−0·51	*	*	*	*
	Cirencester	57	34	53·6	40·9	47·1	− 0·2	40	3	1	0·11	−0·57	19·8	− 2·2	27	− 3
	Oxford	57	29	54·9	39·7	47·1	− 1·7	45	6	1	0·02	−0·55	17·6	− 5·1	24	− 7
5. ENGLAND, S.	London	67	34	57·6	42·4	49·8	+ 0·2	55	0	1	0·12	−0·46	13·6†	− 3·4†	19†	− 6†
	North Foreland	60	46	56·4	47·3	51·7	+ 1·3	68	0	1	0·07	?	*	*	*	*
	Strathfield Turgiss Ⓜ	61	27	56·3	36·3	46·0	− 2·6	52	16	3	0·28	−0·32	*	*	*	*
	Dungeness	64	37	57·3	45·9	51·4	+ 0·3	66	0	1	0·14	−0·58	*	*	*	*
	Hastings (St. Leonards)	62	42	58·1	43·8	50·7	− 0·4	61	0	0	—	−0·80	32·9	+ 5·9	44	+ 6
	Southampton	65	34	59·5	42·4	50·7	+ 0·4	61	0	1	0·09	−0·63	25·1	+ 0·1	34	0
	Hurst Castle	63	39	57·6	46·6	51·9	+ 0·6	69	0	1	0·01	−0·74	*	*	*	*
	Stowell Ⓜ	61	32	55·0	41·9	?48·3	?+ 0·1	?45	0	1	0·11	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	33	54·6	38·3	46·2	− 0·9	45	10	1	0·18	−1·60	*	*	*	*
	Glasgow	53	32	50·3	39·0	44·5	− 2·3	30	8	4	0·94	+0·19	11·8	− 2·2	17	− 3
	Ardrossan	54	33	51·7	42·6	47·0	− 1·6	35	0	3	0·87	−0·01	*	*	*	*
	Glenlee Ⓢ	56	25	51·3	35·8	42·8	− 3·1	32	17	3	1·49	+0·24	*	*	*	*
	Douglas (Isle of Man)	57	32	54·0	41·3	47·4	− 1·0	41	2	3	1·40	+0·45	34·0	+12·0	47	+16
7. ENGLAND, N.W.	Stonyhurst	53	31	50·8	38·7	44·6	− 3·0	32	9	3	0·78	−0·38	28·7	+11·0	40	+15
	Blackpool Ⓜ	57	29	54·7	40·6	47·4	− 1·4	44	4	3	0·77	−0·16	32·7	+14·7	45	+19
	Manchester (Prestwich)	53	31	53·4	38·9	45·9	− 1·9	40	9	3	0·34	−0·56	20·8	?	29	?
	Liverpool Obsy. (Bidston)	57	35	53·4	43·6	48·4	− 0·7	45	0	3	0·47	−0·31	*	*	*	*
	Llandudno Ⓜ	59	37	55·7	45·2	50·3	− 0·1	58	0	2	0·51	−0·34	28·8	+12·2	39	+16
	Holyhead	58	38	54·7	45·1	49·8	− 1·1	55	0	2	0·67	−0·30	*	*	*	*
8. ENGLAND, S.W.	Llandovery	65	27	56·4	39·9	47·9	− 0·9	50	6	2	0·21	−1·02	*	*	*	*
	Pembroke	58	41	54·7	48·4	51·5	+ 0·1	67	0	2	0·17	−0·73	18·5	− 3·5	25	− 6
	Bristol (Montpelier)	59	33	55·8	41·8	48·6	− 0·1	47	1	1	0·11	−0·69	*	*	*	*
	Arlington (N. Devon)	60	39	54·0	44·9	49·3	+ 0·1	51	0	1	0·37	−0·93	*	*	*	*
	Cullompton Ⓜ	62	32	56·2	42·0	48·9	− 0·3	48	0	1	0·10	−0·78	13·5	− 7·0	18	−10
	Falmouth	64	48	58·3	51·0	54·5	+ 2·8	88	0	3	0·20	−1·01	27·3	+ 1·4	37	+ 2
	Plymouth	61	46	57·5	48·4	52·8	+ 1·7	76	0	2	0·31	−0·54	26·2	+ 0·2	35	+ 3
	Prawle Point	61	46	56·9	49·6	53·1	+ 1·7	78	0	2	0·23	−0·60	*	*	*	*
9. IRELAND, N.	Malin Head	54	40	52·0	45·7	48·8	+ 1·4	48	0	3	0·98	?	*	*	*	*
	Londonderry	56	33	54·2	41·2	47·5	− 0·5	42	2	3	1·44	+0·48	*	*	*	*
	Edenfel (Omagh)	54	29	51·9	38·7	45·1	− 1·4	36	9	3	1·26	+0·43	*	*	*	*
	Belmullet	61	40	54·7	45·9	50·2	− 0·7	57	0	3	1·88	?	*	*	*	*
	Markree Castle	58	27	54·5	40·1	47·1	− 0·5	44	5	4	1·37	+0·49	26·2	+ 7·2	36	+10
	Brookeborough	57	30	53·9	39·7	46·6	+ 0·3	42	6	3	1·71	+0·78	*	*	*	*
	Armagh	56	29	52·7	39·7	46·5	− 0·6	41	6	3	1·75	+1·07	29·7	+12·5	41	+17
	Donaghadee	56	33	53·7	42·1	47·7	− 0·9	40	0	3	1·57	+0·87	*	*	*	*
	Edgeworthstown	56	32	53·5	40·5	46·8	0·0	40	4	3	1·33	+0·63	*	*	*	*
10. IRELAND, S.	Dublin	62	37	55·4	45·5	50·3	+ 0·9	58	0	3	0·81	+0·13	22·0	− 0·2	30	− 1
	Parsonstown	61	33	56·3	42·4	49·1	+ 1·5	50	0	2	0·88	+0·17	20·7	+ 0·5	28	0
	Kilkenny	61	34	56·3	44·7	50·3	+ 1·7	58	0	2	0·48	−0·22	*	*	*	*
	Roche's Point	60	45	57·1	50·4	53·7	+ 2·8	82	0	3	0·43	−0·49	*	*	*	*
	Valencia	62	47	58·3	51·4	54·8	+ 3·2	90	0	3	0·51	−0·82	12·7	− 9·5	17	−13
	Killarney	66	49	58·3	46·9	52·4	+ 2·6	73	0	3	0·29	?	*	*	*	*
	Foynes	62	36	57·3	44·3	50·6	+ 2·3	60	0	3	1·09	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	65	50	59·4	52·6	55·9	+ 2·6	97	0	2	0·05	−0·79	26·5	?	36	?
	Jersey	66	45	60·9	50·0	55·3	+ 2·0	93	0	2	0·64	−0·37	41·4	+13·6	56	+18

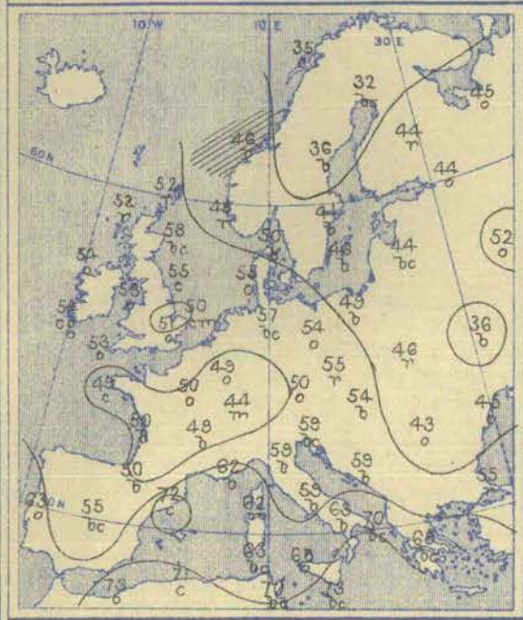
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

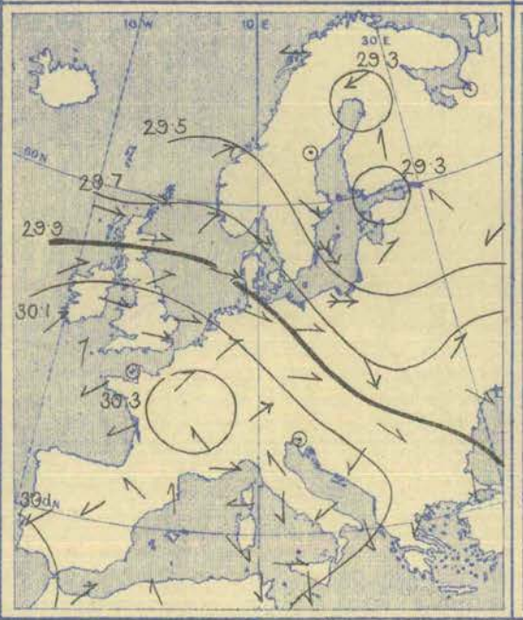
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 13th October.

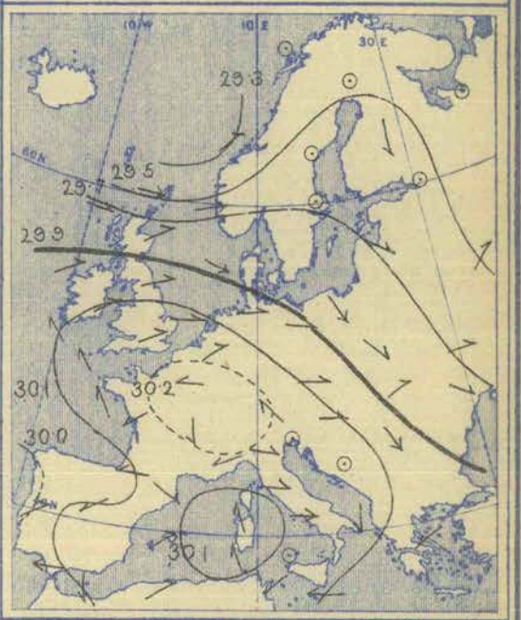
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the eastern parts of Great Britain, and also over Sweden, the west of France, and southern Europe generally. Cloudy or dull elsewhere, with rain in the Hebrides, the Shetlands, and the west of Norway, as well as in the northern parts of Austria, and at Helsingfors. Rain falling later at most of the Irish and Scotch stations, and also in many parts of northern Europe, heavily at Belmullet and Christiansund.

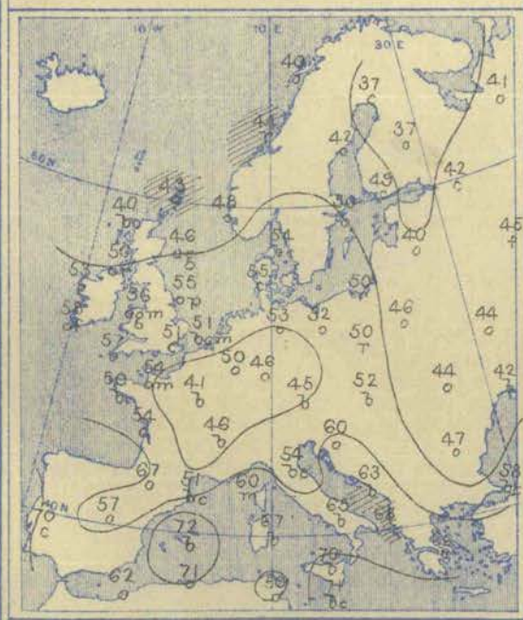
Temperature changed rather irregularly, but fallen in most of the northern and north-western countries, and risen in the more southern parts of Europe. Morning readings highest, 73° at Malta, 72° at Barcelona, 71° at Algiers, and 70° at Sfax; above 60° at the Mediterranean and Spanish coast stations generally, and above 55° in the east of Scotland. Lowest, (1) 32° at Haparanda, 35° at Bodo, 36° at Hernösand, and 38° at Karlstad; (2) 44° at Belfort and Limoges. Daily maxima over our Islands mostly below 60°, but thermometer rising to 62° at Aberdeen, and to 63° at Jersey. Exceeding 70° over southern Europe generally, the highest readings of all being 84° at Barcelona, 82° at Bilbao, and 81° at Biarritz and Palma.

Wind light to moderate from the Westward or South-Westward over our Islands and the Netherlands; moderate to strong from the Westward or North-Westward over Germany, Denmark, and the south of Scandinavia; South-Easterly in Finland; Easterly in the north of Scandinavia. Light to moderate from the Eastward in the west of France, and from the North-Eastward in Spain; chiefly Northerly in Italy. Subsequently increasing to a strong breeze from West or South-West over Scotland and the south of Scandinavia; backing to the South-Eastward on our own south-west coasts.

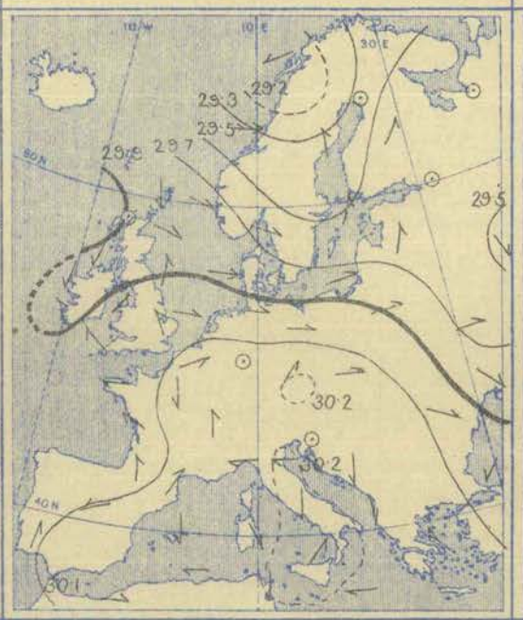
Barometer highest, 30·3 ins. and upwards over all the more central parts of France; 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe, and the greater part of Ireland and England. Lowest, 29·3 ins. and less in two small depressions lying respectively over Lapland and the Gulf of Finland. New disturbance advancing later towards the west of Norway. Anticyclone beginning to give way, and barometer falling in most parts of western Europe.

Monday, 14th October.

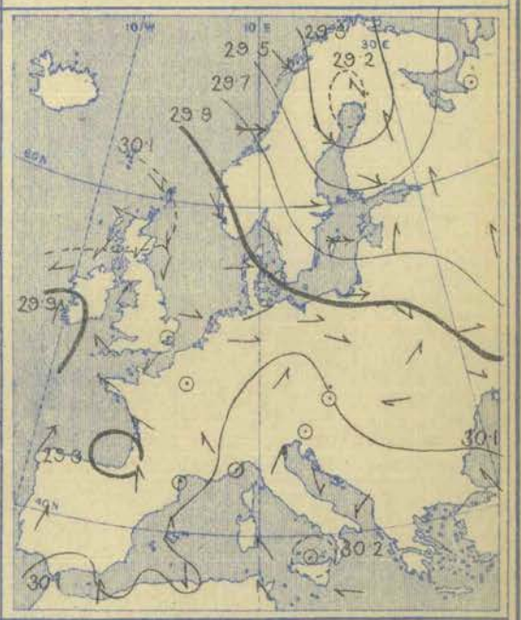
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of the United Kingdom, with rain in the south of Scotland, the north of Ireland, and the north-west of England. Fine in France, Italy, and the north of Russia, as well as in Denmark and the south of Scandinavia, dull in most other parts of the Continent, with rain at Christiansund, and also in some parts of east Germany. Rain falling during day in the west and north of our Islands generally, as well as in Scandinavia and northern Russia, heavily in places.

Temperature fallen considerably in the north of Scotland, risen in Sweden and Denmark, changed irregularly elsewhere. Morning readings highest, 72° at Bilbao, Palma, and Sfax, and 71° at Oporto, Malta, and Algiers; above 65° at the Mediterranean and Spanish coast stations generally. Lowest, (1) 31° at Ulleaborg, 36° at Helsingfors, and 37° at Haparanda and Kuopio; (2) 40° at Stornoway, and 43° at Sumburgh Head and Nairn; (3) 41° at Paris, and 44° at Le Mans. Daily maxima below 55° on many parts of our north and north-west coasts, but thermometer rising to 60° and upwards in the south of England, and reaching 66° at Jersey. Exceeding 70° over southern Europe generally, and reaching 82° at Palermo.

Wind light to moderate from the Eastward in the west of France; from the South-Eastward on our extreme south-west coasts, and from the Southward or South-Westward in other parts of Ireland and England. Calm or light from the North-Westward in Scotland, strong from the Westward on the eastern shores of the North Sea, light from South or South-West over Sweden, Finland, and the Baltic. Variable in Italy and the south of France; South-Westerly on the Portuguese coasts. North-Easterly breezes setting in later on our northern coasts generally, wind veering to the Westward in Sweden, and increasing to a gale at Wisby.

Barometer highest, 30·1 ins. to 30·3 ins. in an anticyclone covering the greater part of central and southern Europe. Lowest, 29·2 ins. and less in a depression lying over the north-west of Scandinavia; 29·5 ins. and less in a shallow system over central Russia. Norwegian depression subsequently moving eastwards; new high pressure system advancing over Scotland from the north-west.

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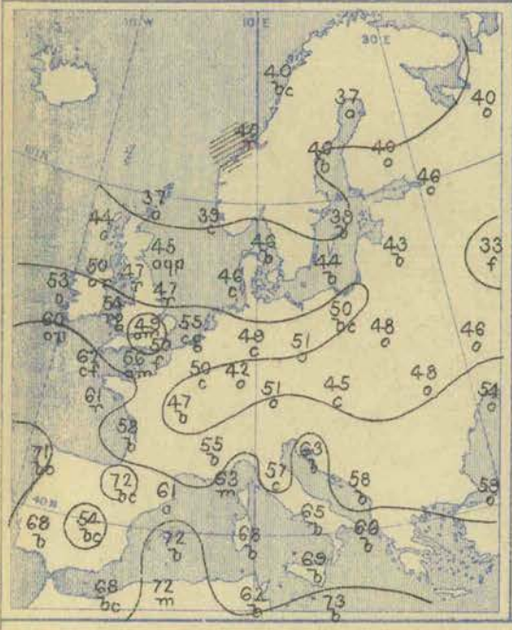
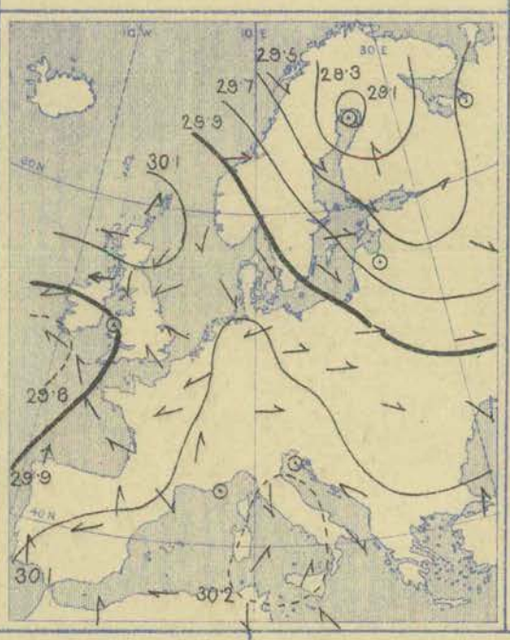
Tuesday, 15th October.

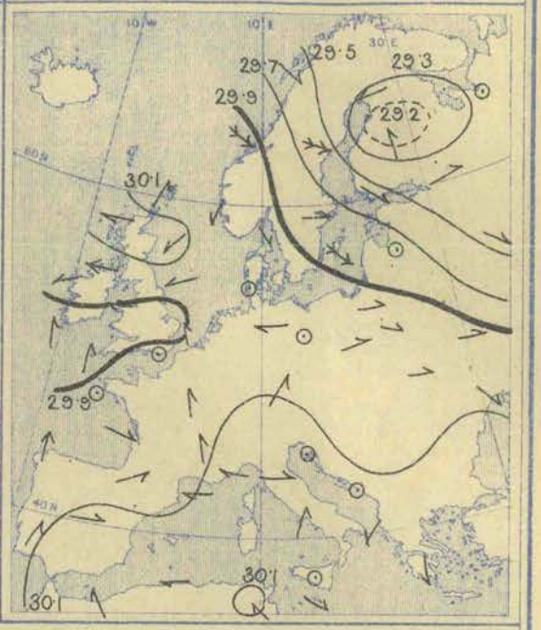
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy over the United Kingdom generally, with fog in the south, and with rain over the south of Scotland and the northern parts of Ireland and England. Fine over France and southern Europe, as well as in Sweden, Denmark, and the south of Norway, dull at most of the Russian and German stations, and rainy at Christiansund. Rain falling during day in nearly all parts of western Europe. Thunder and lightning occurring at Jersey, and lightning at Prawle Point. Aurora seen at Wick and Skudesnaes.

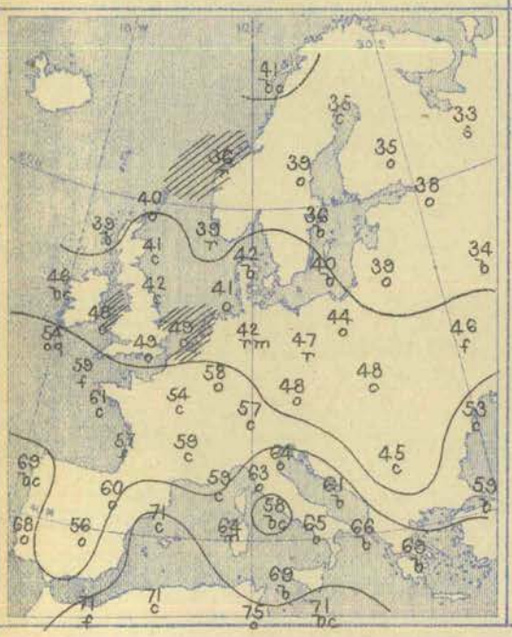
Temperature risen over France and the south of our Islands, but fallen in most other localities. Morning readings highest, 73° at Malta and Sfax, and 72° at Biarritz, Palma, Oran, and Algiers; above 65° at most of the Mediterranean and Spanish coast stations. Lowest, (1) 33° at Moscow, 36° at Karlstad, 37° at Haparanda and Sumburgh Head, and 38° at Uleaborg; (2) 42° at Prague and Wiesbaden. Daily maxima below 50° at several of our own northern stations, but thermometer rising to between 60° and 65° in the central and southern districts, and reaching 67° in London. Exceeding 70° at many of the French stations, and rising to between 75° and 77° over Italy and to 82° at Biarritz.

Wind light to moderate from the South-Eastward over the west of France and the southern parts of our Islands, but Easterly or North-Easterly on all our more northern coasts. Strong from the Westward or North-Westward in Scandinavia, with a gale at Christiansund; light from the same quarters at most of the Danish, German, and Russian stations, but Southerly in Finland. Light and variable over Italy, Spain, and the south of France. Subsequently shifting to the South-Westward in the south of our Islands, and to the Westward in the west of France.

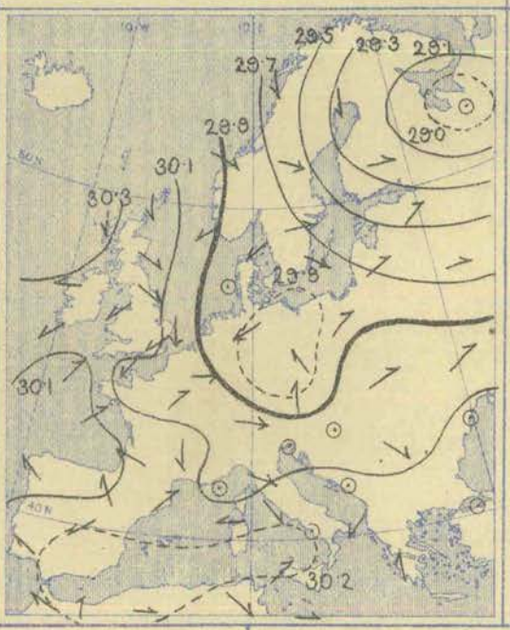
Barometer highest, 30·1 ins. to 30·2 ins. in an anticyclone covering the greater part of central and southern Europe, and also in another system over the northern parts of Scotland and the North Sea. Lowest, 29·1 ins. and less in a well-marked depression over Lapland; 29·8 ins. and less in a shallow disturbance off the south-west of Ireland. Irish depression subsequently spreading eastwards; barometer rising on our western coasts.

Wednesday, 16th October.

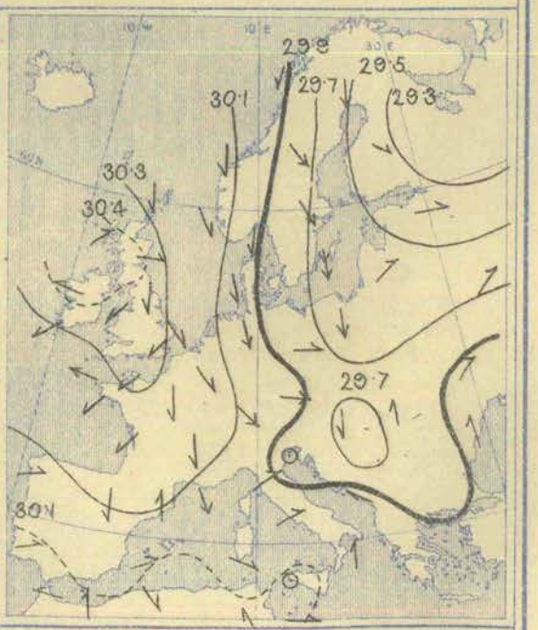
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Ireland, Scotland, and the north of England, dull in the south-east of our Islands, rainy in many parts of France, Germany, and on the eastern shores of the North Sea; very variable over Russia. Rain falling later at many of the Continental stations, in the north of Scotland, and on our own south-west coasts; fall considerable over Germany; sky clearing over England, and air becoming drier.

Temperature falling at our northern and western stations. Morning readings highest, 71° at Palermo, Algiers, and Barcelona, and exceeding 60° on the Mediterranean coasts generally; 69° at Corunna, 68° at Lisbon, 60° at Brest. Lowest, (1) 32° at Karlstad, 36° at Christiansund and Stockholm; (2) 33° at Archangel, 34° at Moscow, 35° at Haparanda and Kuopio; (3) 39° at Stornoway and Leith. Maxima for day, 80° over Spain and Algeria, exceeding 70° in the south of France, and touching 65° at Paris, 64° at Jersey, 60° at Scilly, 58° at Roche's Point, 53° in London and at York. Falling fast over our inland districts towards night.

Wind (1) Northerly to Westerly (cyclonic) over northern Europe; (2) South-Easterly to Southerly over north Germany; North-Easterly to Northerly (strong and cyclonic) on the coasts of Holland and the east of England; Westerly over south Germany; (3) Northerly (anticyclonic) over Scotland, and North-Easterly over Ireland and St. George's Channel, but strong in force. Anticyclonic breezes becoming general over the British Isles later, and decreasing in force over Irish Sea.

Barometer highest, (1) 30·3 ins. to 30·1 ins. in the south-eastern parts of an anticyclone beginning to spread over the British Islands from the north-westward; (2) 30·2 ins. and more to 30·1 ins. over Algeria, Spain, and the Mediterranean. Lowest, (1) below 29·0 ins. over the north of Russia, and below 29·8 ins. in a large but shallow secondary over north Germany; (2) below 30·1 ins. over the Bay of Biscay. The anticyclone in north-west spreading south-eastwards over the British Islands and North Sea later, causing a brisk rise of the barometer in those regions.

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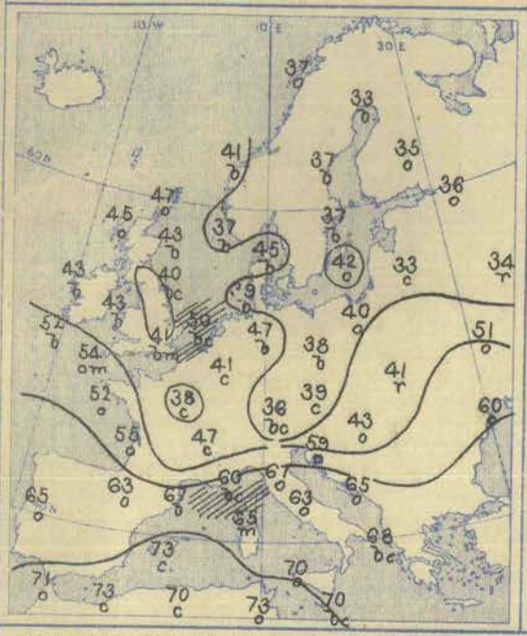
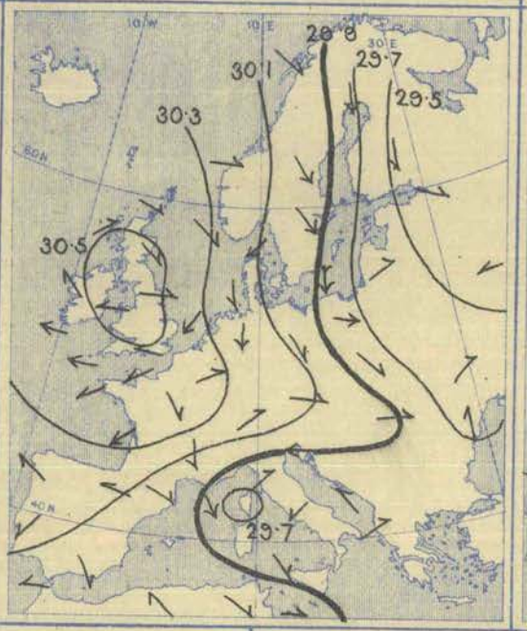
Thursday, 17th October.

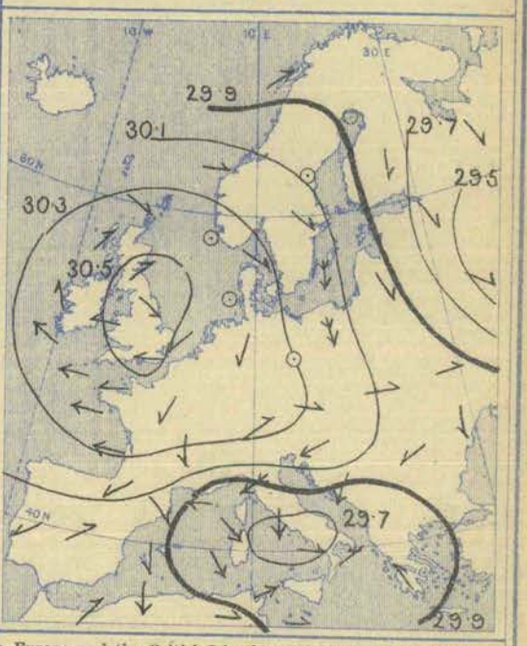
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

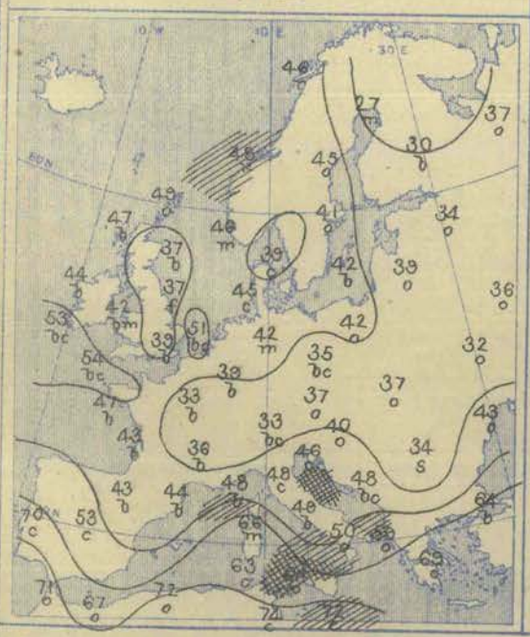


Weather in morning dull over Russia and central Europe, with rain in places; very fine over western Europe and the British Islands, but hazy in places. Continuing very fine over western Europe all day, but rain setting in over the north-west of Norway and the north-west of Russia, a little falling over south Germany, and heavy snow over Hungary and south-eastern Europe. Half an inch of rain at Naples, and 0·4 in. at Palermo.
Temperature falling generally. Morning readings highest, 73° at Oran, and above 70° at many stations on the southern side of the Mediterranean, 67° at Perpignan, 63° at Rome and Biarritz, 60° at Odessa, 54° at Jersey and Scilly. Lowest, (1) 33° to 35° over Finland and the north of Russia, 30° at Warsaw, 27° at Breslau and Cracow, 38° at Paris; (2) 32° at Loughborough, 35° at Oxford, 34° at Parsonstown. Rising later to between 58° and 50° over our Islands and the north of France, to 72° at Biarritz and Nice, and to 75° at Perpignan, but not touching 50° at the German stations, where the thermometer fell rapidly later.

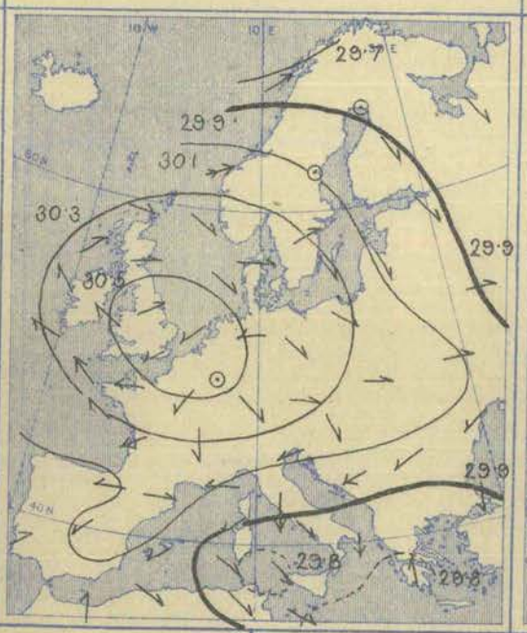
Wind anticyclonic over western Europe and the British Islands; cyclonic over the northern parts of Russia and the south of France; (1) Easterly at our own southern stations and over the Bay of Biscay; South-Easterly in Ireland; Westerly in the Shetlands and Norway; (2) Northerly over the Gulf of Bothnia and the Baltic (a gale at Wisby); Northerly and Westerly moderate over north Germany; (3) North-Easterly to North-Westerly in the south of France; Westerly and North-Westerly over the Mediterranean, but South-Easterly at Lesina, and Easterly at Trieste. No great change later in our Islands, but wind veering Northwards over Scandinavia and the Baltic, and blowing a gale on some parts of the German coasts.
Barometer highest, 30·5 ins. and more to 30·2 ins. in a large anticyclone covering the whole of the British Islands and the neighbouring parts of Continental Europe. Lowest, below 29·5 ins. in a large shallow depression over the northern parts of Russia, and below 29·8 ins. in a small system over Corsica and the Riviera. Falling later—fast over Lapland, and slowly over our north-western districts, rising a little over England and the North Sea.

Friday, 18th October.

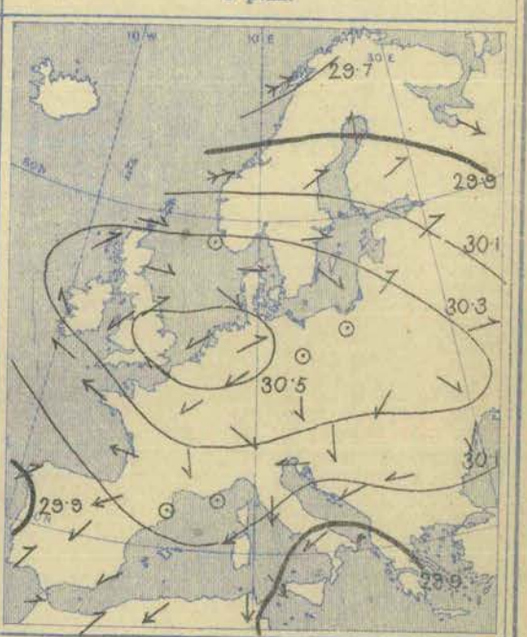
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



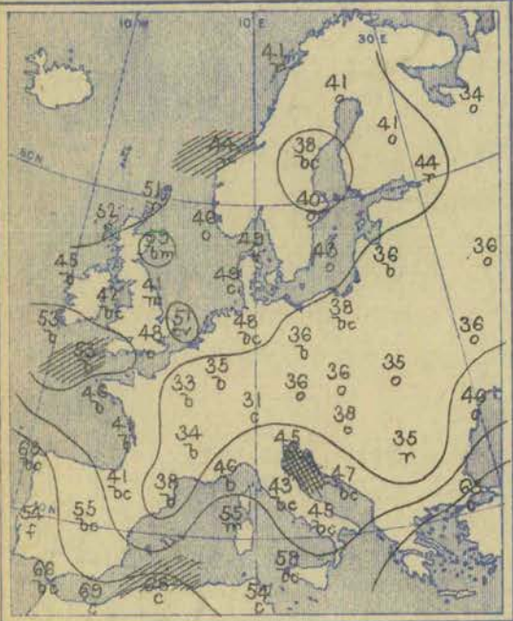
Weather in morning fine over the whole of western Europe—in most places bright, but over England foggy, dull over Russia, very rainy over the northern half of Norway. Nearly an inch of rain at Christiansund during day, half an inch at Bodö, and a smaller quantity at Memel, slight falls at Sumburgh Head, at Yarmouth, and at Munich, but weather remaining fine over the British Islands and western Europe as a whole.
Temperature fallen again except over northern Europe, fall very decided over the southern parts of Russia and the Balkan Peninsula. Morning readings highest, 72° at Malta and Algiers, 71° at San Fernando, 70° at Lisbon, 66° at Cagliari, 58° at Barcelona, 54° to 53° on the extreme south-west coasts of our Islands. Lowest, (1) 27° to 30° over Finland as a whole, 34° at St. Petersburg, 36° at Moscow; (2) 32° at Kiev, 34° at Hermanstadt; (3) 33° at Munich, Belfort, and Paris; (4) 29° at Cambridge, 30° at York, 31° at Oxford. Rising later to between 50° and 59° over the British Islands, to 61° at Rochefort, 63° at Biarritz, 75° at Palermo and to more than 80° at Oporto and Oran.

Wind anticyclonic, strong to a gale from North-East to East over the Adriatic and Italy; fresh Easterly over the Bay of Biscay; strong South-Easterly on our south-west coasts; moderate South-Westerly on the Scotch coasts; a gale from South-West on the north-west coasts of Norway, and a moderate North-Westerly breeze over the Baltic. Very little change later.

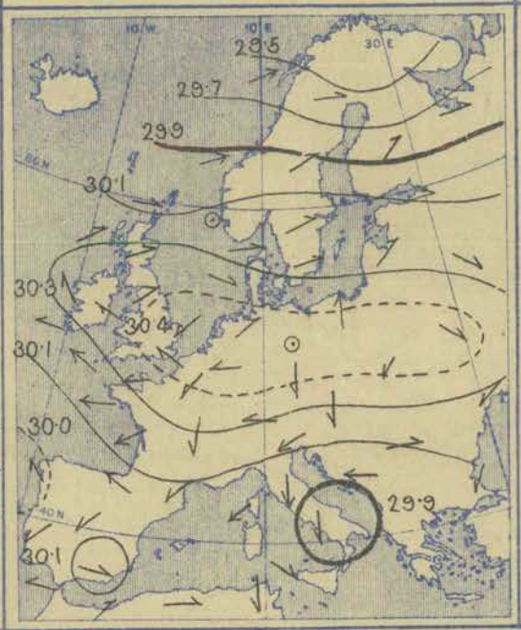
Barometer highest, 30·5 ins. and more over the Netherlands and the east of England, and exceeding 30·0 ins. over the whole of the British Islands, north-western and central Europe. Lowest, below 29·8 ins. (1) over the west of Lapland; (2) in a complex depression over the south-eastern parts of the Mediterranean. Falling slowly over our Islands later, and decidedly over northern Europe.

Saturday, 19th October.

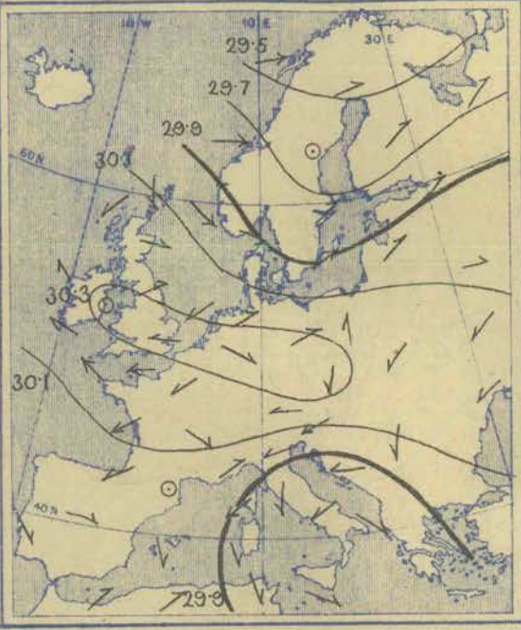
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of Europe, but hazy or foggy in several places, dull over Russia, and rainy over the northern countries, including the Hebrides. Considerable rain over Lapland and Norway later, and smaller quantities over Scotland; dry elsewhere, but fog continuing in several places.

Temperature risen over the British Islands, the North Sea, the eastern shores of the Baltic, and northern Russia. Readings below 70° everywhere, but highest, 69° at Nemours, 68° at Algiers, 64° at Sfax, 68° at Oporto and Corunna, 55° at Roche's Point, 52° at Stornoway. Lowest, (1) 34° at Haparanda, 36° at Moscow; (2) 31° at Kharkov, at Warsaw, and at Munich, 33° at Breslau and Paris, 39° at Donaghadee. Rising later to between 55° and 60° over the greater part of our Islands, to between 60° and 63° in the south and south-west of France, and to 70° and more on the Portuguese coast.

Wind South-Westerly over northern Europe; North-Easterly to Easterly over southern Europe and the Mediterranean; South-Easterly to South-Westerly over the south-western and north-western parts of the British Islands; nearly calm over England, the Netherlands, and north Germany. Shifting to North in the north of Scotland later, and to West over Norway.

Barometer highest, 30·4 ins. and more to 30·2 ins. in an anticyclone stretching from the British Islands across the North Sea and Netherlands to Germany and central Russia. Lowest, below 29·5 ins. over Lapland, and below 30·0 ins. at Corunna. Falling in most places later, but beginning to rise in Scotland.

GENERAL NOTES.

At the commencement of the week pressure was uniformly high over the Mediterranean, the Peninsula and France, and low over northern Europe. Over the latter region depressions soon began to advance from the north-westward, and as another set of smaller systems began to advance simultaneously over our Islands from the westward, the weather became very rainy and unsettled over the north-western and northern countries generally, and thunderstorms occurred in several places. On Tuesday the barometer was rather below 29·2 ins. over Finland.

A very sudden and decided change now took place. A well-formed anticyclone, of considerable intensity, advancing over the British Islands from the north-westward, and spreading all over the United Kingdom and the neighbouring countries. The weather in these regions at once cleared up, and excepting some fogs, was very fine for the time of year. The night temperatures were very low, especially inland, where some really sharp frosts occurred, but the days were mild. The southern parts of Europe were now the region of rough unsettled weather, and North-Easterly to Northerly gales of considerable strength occurred over Italy in addition to rain.

At the close of the week, however, the British high pressure was beginning to give way, and unsettled weather seemed again likely to become general over the north-western and northern countries before long.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 248.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	21·7	?	31	?	EASTBOURNE	35·5	?	48	?
OSWALDKIRK (Yorkshire)	27·7	?	38	?	MANCHESTER (Oldham Road)*	16·8*	?	23*	?
WORKSOP	22·4	+ 4·0	31	+ 5	TENBY	19·4	?	27	?
THURCASTON (Leicestershire)	24·9	+ 6·2	34	+ 8	NEWQUAY	27·0	?	36	?
MARGATE	20·6	?	28	?	TORQUAY*	17·3*	?	24*	?
WESTBOURNE (Sussex)*	23·2*	?	31*	?	ARLEY COTTAGE (County Cavan)	21·8	?	30	?
BRIGHTON	35·8	?	48	?	GUERNSEY*	40·5*	?	55*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
Aug. 16th, 1895.	Blackpool	71	46	65·7	54·0	59·5	− 0·2	123	0	6	0·36	− 0·39	40·0	+ 2·9	37	+2
,, 24th, ,,	Killarney	67	46	64·6	52·6	58·2	− 0·1	113	0	6	0·99	?	—	—	—	—
,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	37·4	—	38	—
,, 31st, ,,	Scarborough	71	50	67·1	54·0	60·2	+ 3·5	127	0	3	0·33	− 0·25	—	—	—	—
,, ,, ,,	Jersey	—	—	—	—	—	—	—	—	—	—	—	54·3	+ 2·4	57	+4
,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	47·2	—	48	—
Sept. 7th, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	39·6	—	43	—
,, 14th, ,,	Glencarron	77	45	60·9	48·8	54·6	+ 3·5	88	0	6	1·85	+0·28	—	—	—	—
,, ,, ,,	Edgeworthstown	68	50	64·1	50·3	56·9	+ 3·1	104	0	3	0·23	− 0·52	—	—	—	—
,, ,, ,,	Killarney	70	43	64·2	52·0	57·8	+ 1·7	111	0	3	0·49	?	—	—	—	—
,, ,, ,,	York	—	—	—	—	—	—	—	—	—	—	—	53·4	+27·8	59	+31

Wyman & Sons, Lt., Lith., 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 43.] *Third Series.* WEEK ENDING SATURDAY, OCTOBER 26TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 254.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	27	42·7	32·4	37·4	7 below	2	−27	33	+24	2053	+298	858	+279
	1. SCOTLAND, EAST	56	27	42·7	33·0	37·7	7 below	2	−31	31	+21	2299	+ 60	1036	+429
	2. ENGLAND, N.E.	53	25	45·0	34·2	39·4	7 below	8	−29	27	+21	2612	+236	813	+286
	3. ENGLAND, EAST	56	24	47·2	35·2	41·0	6 below	15	−27	26	+17	2943	+177	881	+234
	4. MIDLAND COUNTIES	58	22	45·9	32·5	39·0	7 below	11	−29	35	+24	2908	+199	975	+376
	5. ENGLAND, SOUTH	58	21	47·7	35·8	41·6	7 below	16	−33	25	+18	3145	+153	780	+338
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	56	22	45·1	33·0	38·9	7 below	9	−28	33	+26	2462*	+151	818	+383
	7. ENGLAND, N.W.	54	23	45·2	34·7	39·8	8 below	9	−32	27	+22	2732	+236	752	+318
	8. ENGLAND, S.W.	58	18	48·0	35·7	41·7	7 below	17	−33	25	+22	2941	+165	679	+355
	9. IRELAND, NORTH	57	23	46·2	34·9	40·4	6 below	12	−28	27	+22	2546	+ 87	663	+283
	10. IRELAND, SOUTH	60	22	47·8	34·0	40·7	8 below	16	−32	31	+26	2782	+ 15	510	+213
	—CHANNEL ISLANDS	57	37	52·0	43·4	47·6	4 below	39	−28	0	0	3414*	+245	360	+248

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 254.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	4 less	192	− 5	38·1	− 2·3	20	− 3	30	− 5	1019	− 9	29	0
	1. SCOTLAND EAST	5	10	3 more	155	− 7	24·7	− 1·1	22	+15	33	+22	1373	+142	36	+ 4
	2. ENGLAND, N.E.	5	9	2 more	151	+ 1	23·7	+ 2·2	31	+15	45	+23	1376	+240	35	+ 6
	3 ENGLAND, EAST	5	7	1 more	129	−18	19·5	− 1·7	21	+ 3	31	+ 1	1602	+224	42	+ 6
	4. MIDLAND COUNTIES	4	6	1 more	124	−20	18·3	− 4·8	17	− 2	25	− 2	1483	+249	38	+ 6
	5. ENGLAND, SOUTH	3	7	0 (average)	117	−23	17·6	− 4·7	19	− 5	27	− 7	1671	+216	42	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	2	9 less	159	−10	28·2*	−12·7	27	+11	40	+16	1321	+ 90	34	+ 3
	7. ENGLAND, N.W.	6	12	3 more	143	−13	24·9	− 3·4	16	+ 5	23	+ 7	1286	+212	37	+ 6
	8. ENGLAND, S.W.	5	9	1 less	127	−34	25·7	− 6·2	28	+ 7	39	+10	1721	+243	44	+ 6
	9. IRELAND, NORTH	5	9	0 (average)	172	−12	27·4	− 1·7	31	+12	43	+19	1232	+128	32	+ 3
	10. IRELAND, SOUTH	3	5	4 less	143	−24	27·5	− 4·0	37	+17	53	+24	1365	+ 48	35	+ 1
	—CHANNEL ISLANDS	6	12	2 more	143	−28	21·5	− 4·8	31	+ 7	44	+12	1915	+263	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was fine and dry generally at the commencement of the week, but an unsettled condition soon set in, with frequent showers of rain, hail, sleet, or snow in the north-west, and this extended later on to almost all parts of the Kingdom. The showers were, however, heavier and more frequent in the northern and western districts than elsewhere. During the latter part of the week thunder and lightning were experienced in various parts of the country.

Temperature was unusually low for the time of year, the deficit ranging from 4° in the Channel Islands, and 6° in England E. and Ireland N., to 8° in England N.W. and Ireland S. The highest of the maxima occurred on the 20th, and ranged from 60° in Ireland S., to 53° in Scotland N. and England N.E. The absolute minima were recorded towards the end of the period, and were extremely low for the time of year. They ranged from 18° in England S.W. (at Llandovery), 21° in England S., and 22° in the Midland counties, Scotland W. and Ireland S., to 27° in Scotland N. and E., and to 37° in the Channel Islands. The lowest readings reported from stations with a thermometer exposed on the grass were 13° at Worksop (both on Thursday and Saturday), 16° at Loughborough, 18° at Gilcrux (Carlisle), and 20° at Oxford and Cullompton.

Rainfall varied very greatly in different parts of the Kingdom, but was, on the whole, in excess of the mean over England and the east of Scotland, and in defect or just about the normal elsewhere. The fall consisted mainly of hail, sleet, and snow in the western and northern districts.

Bright Sunshine was more prevalent in the west and south-west, and in England N.E. than elsewhere. The percentage of the possible duration ranged from 53 in Ireland S., 45 in England N.E., 44 in the Channel Islands, 43 in Ireland N., and 41 in England E., to 25 in the Midland counties, and 23 in England N.W.

Barometer and Wind.—The distribution of pressure was anticyclonic at the commencement of the week, but the conditions gradually became rather complex and depressions appeared subsequently both to the southward and eastward of us, while many local irregularities in pressure were observed in different parts of these Islands. The winds varied between North-West and North-East in direction, and were frequently fresh or strong in force in all the northern and north-western districts, and attained the force of a moderate gale in the English Channel on the 23rd.

* This value has been altered owing to the receipt of further information for a preceding week.

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213 70 10|95 1896

II.—DATA from which the SUMMARY on page 253 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	45	31	42·3	33·1	37·6	- 6·3	1	31	7	0·56	-0·41	*	*	*	*
	Stornoway	48	32	41·0	32·7	36·7	- 7·9	0	37	6	1·45	+0·30	13·9	- 3·0	21	- 5
	Wick	53	30	44·4	31·7	37·9	- 6·7	7	37	7	1·36	+0·46	*	*	*	*
	Glencarron Ⓢ	50	27	40·6	30·4	35·4	- 8·2	0	46	5	1·61	-0·52	*	*	*	*
	Fort Augustus Ⓢ	50	27	44·6	33·4	38·9	- 5·7	8	31	4	0·25	-0·57	19·7	?	29	?
	Fort William Ⓢ	50	30	43·2	3.·3	38·1	- 7·7	3	30	4	0·09	-1·71	25·8	?	39	?
1. SCOTLAND, E.	Nairn	48	31	43·1	33·7	38·3	- 6·6	3	29	6	1·00	+0·48	*	*	*	*
	Aberdeen	49	33	43·1	34·6	38·7	- 6·7	3	26	7	1·84	+1·16	33·8	+14·8	50	+22
	Braemar Ⓢ	46	27	38·4	31·0	34·6	- 7·1	0	52	7	0·81	-0·09	7·8†	?†	12†	?†
	Ochtertyre Ⓢ	48	30	45·9	32·1	38·8	- 5·4	11	36	2	0·18	-0·81	*	*	*	*
	Leith Ⓢ	56	32	46·7	35·6	41·0	- 5·6	13	25	2	0·35	-0·12	*	*	*	*
	Marchmont Ⓢ	43	29	39·0	31·0	34·9	- 8·9	0	50	4	1·73	+0·95	22·8	?	34	?
2. ENGLAND, N.E.	Alnwick Castle	48	30	42·1	34·9	38·3	- 7·5	0	24	6	1·40	+0·70	*	*	*	*
	Durham	48	28	43·7	31·8	37·6	- 7·8	5	36	6	0·93	+0·27	27·8	+10·3	41	+16
	Shields	50	30	44·6	34·9	39·6	- 6·8	7	26	4	1·17	+0·63	*	*	*	*
	Scarborough Ⓜ	53	27	47·2	34·4	40·6	- 6·7	15	29	?	0·68	-0·02	*	*	*	*
	York	50	25	45·7	30·7	38.0	- 8·3	10	41	5	0·48	-0·12	36·5	+20·2	53	+30
	Spurn Head	51	33	46·4	38·9	42·5	- 5·2	17	9	4	0·48	-0·04	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	56	25	47·4	34·7	40·9	- 5·9	15	28	5	0·67	+0·05	24·7	+ 5·7	36	+ 8
	Yarmouth	54	28	47·0	37·6	42·2	- 5·6	20	12	6	1·01	+0·33	*	*	*	*
	Geldeston	56	26	47·8	35·3	41·4	- 6·2	16	26	4	0·90	+0·30	20·7	- 1·9	30	- 2
	Cambridge	56	25	47·7	34·3	4·.8	- 5·8	16	30	4	0·54	+0·04	22·0	+ 0·6	31	0
	Rothamsted	51	24	46·1	33·9	39·8	- 6·2	11	30	5	0·37	-0·28	17·3	?	25	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	24	45·1	31·3	38·0	- 8·1	9	38	3	0·44	- 0·15	*	*	*	*
	Loughborough	56	22	47·3	32·4	39·6	- 6·8	15	36	4	0·46	- 0·15	*	*	*	*
	Stamford (Ketton Hall)	58	23	47·4	33·1	40·0	- 6·5	15	33	6	0·55	- 0·09	*	*	*	*
	Cheadle Ⓜ	53	26	44·6	33·1	38.7	- 6·1	7	32	4	0·33	- 0·49	*	*	*	*
	Solihull	50	26	45·4	33·2	39·1	- 6·6	10	32	5	0·66	?	*	*	*	*
	Churchstoke Ⓜ	50	23	44·7	31·1	37·7	- 7·9	8	39	5	0·89	+0·11	16·3	- 1·5	24	- 2
	Hereford Ⓜ	52	22	46·0	32·0	38·8	- 7·8	11	36	4	0·66	+0·06	*	*	*	*
	Cirencester	57	23	46·6	32·4	39·3	- 6·3	13	35	4	0·63	- 0·04	18·0	- 2·5	26	- 3
	Oxford	52	25	45·7	33·9	39·6	- 7·3	10	30	4	0·55	+0·01	15·1	- 5·9	22	- 8
5. ENGLAND, S.	London	50	25	45·9	34·6	40·1	- 7·5	11	28	2	0·50	- 0·06	8·1†	- 6·9†	12†	-10†
	North Foreland	54	33	48·0	40·1	43·9	- 4·5	21	5	3	1·17	?	*	*	*	*
	Strathfield Turgiss Ⓜ	53	21	46·5	32·7	39·4	- 7·2	12	35	2	0·71	+0·13	*	*	*	*
	Dungeness	53	28	49·1	35·0	41·8	- 7·8	20	28	2	0·46	- 0·30	*	*	*	*
	Hastings (St. Leonards)	56	31	49·6	36·8	43·0	- 6·6	29	15	3	0·45	- 0·37	19·9	- 4·6	28	- 8
	Southampton	58	27	48·4	34·9	41·5	- 7·1	18	28	3.	0·63	- 0·07	2·.3	- 2·2	29	- 3
	Hurst Castle	56	30	49·3	39·1	44·1	- 5·6	27	8	4	0·82	+0·09	*	*	*	*
	Stowell Ⓜ	54	25	44·9	35·1	38·7	- 7·9	8	31	6	0·94	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	49	28	45·9	31·5	38·5	- 7·2	11	38	3	0·16	-1·66	*	*	*	*
	Glasgow	48	30	43·7	33·9	38·7	- 6·7	5	29	2	0·15	-0·71	29·0	+17·1	43	+25
	Ardrossan	47	32	45·1	35·7	40·3	- 6·8	9	24	1	0·14	-0·73	*	*	*	*
	Glenlee Ⓢ	48	32	43·4	27·1	35·0	- 9·6	4	51	1	0·01	-1·25	*	*	*	*
	Douglas (Isle of Man)	56	29	47·5	36·7	41·9	- 5·3	15	21	6	0·72	-0·25	25·1	+ 5·0	36	+ 7
7. ENGLAND, N.W.	Stonyhurst	49	26	42·5	31·1	36·6	- 9·6	1	37	5	0·60	-0·52	22·7	+ 7·2	33	+10
	Blackpool Ⓜ	52	23	45·8	31·3	38·3	- 8·9	11	38	6	1·25	+0·35	23·7	+ 7·6	34	+10
	Manchester (Prestwich)	51	25	43·6	30·4	36·8	- 9·3	4	40	6	0·59	-0·33	12·3	?	18	?
	Liverpool Obsy. (Bidston)	54	31	44·6	36·0	40·2	- 7·5	7	22	5	1·90	+1·14	*	*	*	*
	Llandudno Ⓜ	54	32	46·9	38·8	?42·7	? - 6·2	? 18	? 9	5	2·25	+1·41	15·3	+ 0·3	22	0
	Holyhead	53	36	47·7	40·4	43·9	- 5·7	20	4	6	0·79	-0·21	*	*	*	*
8. ENGLAND, S.W.	Llandovery	56	18	46·6	28·6	37·3	- 9·9	13	48	6	1·75	+0·50	*	*	*	*
	Pembroke	54	33	47·7	39·4	43·4	- 6·8	21	7	4	0·64	-0·24	28·5	+ 8·5	41	+11
	Bristol (Montpelier)	54	27	47·8	32·9	40·1	- 7·2	16	34	3	0·76	-0·01	*	*	*	*
	Arlington (N. Devon)	57	25	45·4	34·7	39·9	- 7·9	10	27	5	1·32	-0·06	*	*	*	*
	Cullompton Ⓜ	53	23	47·7	32·0	39·3	- 8·2	16	37	5	0·72	-0·10	20·0	+ 1·5	29	+ 4
	Falmouth	56	33	50·2	39·9	44·9	- 5·7	29	6	5	1·10	-0·10	33·0	+ 8·2	46	+12
	Plymouth	58	32	49·4	38·8	43·9	- 5·9	27	9	4	0·32	-0·58	30·1	+ 9·6	42	+12
	Prawle Point	57	31	49·0	39·6	44·2	- 5·7	25	7	4	0·74	-0·08	*	*	*	*
9. IRELAND, N.	Malin Head	51	35	45·4	39.6	42·4	- 3·9	13	7	7	1·45	?	*	*	*	*
	Londonderry	53	31	45·6	35·5	40·4	- 6·2	10	24	7	1·55	+0·57	*	*	*	*
	Edenfel (Omagh)	51	30	42·9	34·6	38·6	- 6·4	3	25	4	0·65	-0·16	*	*	*	*
	Belmullet	57	36	48·4	39·6	43·9	- 5·8	23	7	6	1·82	?	*	*	*	*
	Markree Castle	56	23	46·7	32·0	39·1	- 7·1	13	37	4	1·29	+0·39	24·9	+ 6·9	36	+11
	Brookeborough	53	26	46·7	32·2	39·2	- 5·6	13	36	4	0·43	-0·81	*	*	*	*
	Armagh	52	25	46·6	31·5	38·8	- 6·8	13	38	6	0·13	-0·55	33·7	+17·7	49	+26
	Donaghadee	56	31	47·6	3·.1	42·2	- 5·2	22	14	4	0·47	-0·27	*	*	*	*
	Edgeworthstown	55	27	45·8	31·9	38·6	- 7·0	11	36	4	0·21	-0·49	*	*	*	*
10. IRELAND, S.	Dublin	55	31	46·3	55·3	40·6	- 7·5	12	25	4	0·42	-0·28	33·4	+15·4	53	+23
	Parsonstown	56	23	46·9	29·6	38·0	- 8·5	14	45	3	0·11	-0·59	34·6	+15·6	50	+22
	Kilkenny	56	28	46·6	32·7	39·4	- 7·9	13	34	2	0·35	-0·35	*	*	*	*
	Roche's Point	57	33	49·7	39·7	44·6	- 5·3	28	6	1	0·01	-0·93	*	*	*	*
	Valencia	60	32	49·7	36·9	43·1	- 7·3	29	14	4	1·04	-0·35	39·1	+18·1	56	+27
	Killarney	58	22	47·9	30·5	38·9	- 9·9	17	42	3	1·27	?	*	*	*	*
	Foynes	58	30	47·6	33·3	40·2	- 6·8	16	33	5	0·55	?	*	*	*	*
CHANNEL ISLANDS.	Scilly (St. Mary's)	57	39	51·6	44·7	48·1	- 4·0	43	0	6	0·87	-0·01	34·0	?	48	?
	Jersey	57	37	52·3	42·0	47·0	- 4·7	35	0	5	1·44	+0·39	33·3	+ 7·5	47	+12

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

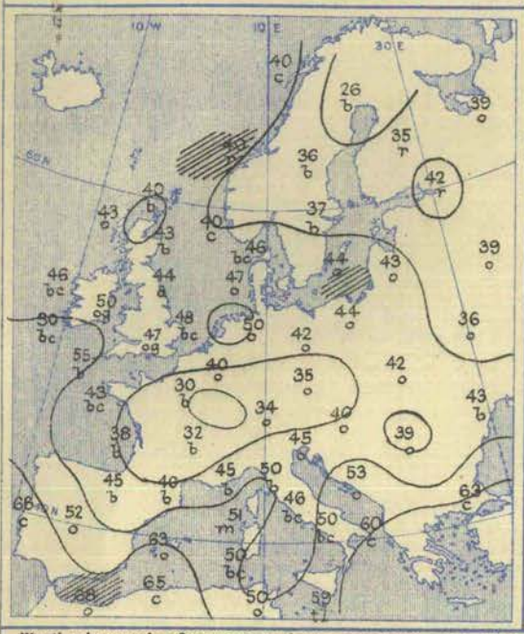
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 20th October.

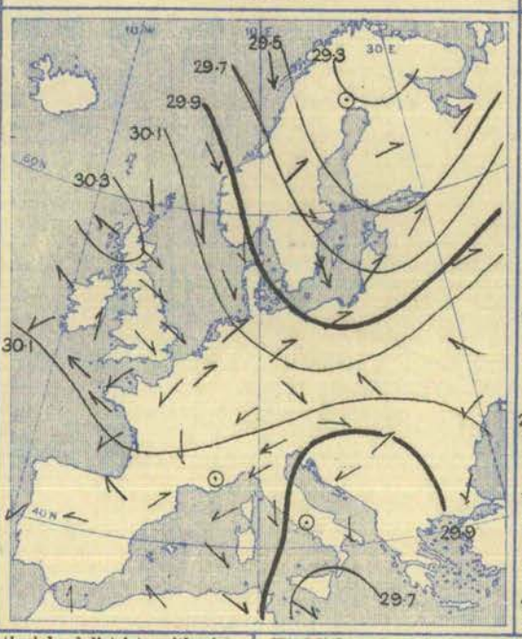
Temperature and Weather.

8 a.m.

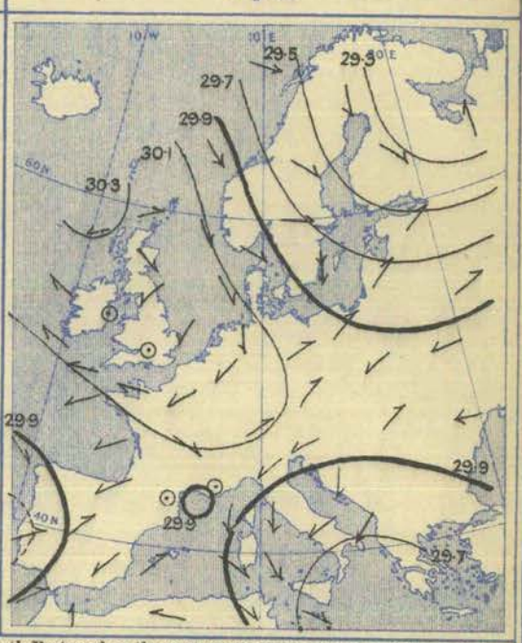


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine at many of our coast stations, but dull in the inland districts, with mist or fog in places, and with rain at Shields and Ardrossan. Fine in Sweden, and also in France and southern Italy, cloudy or dull in most other parts of the Continent, with rain in Finland, and also at Christiansund and Buda Pesth. Thunderstorm reported at Malta. Showers falling later in the north and east of our Islands, and rain or snow in many parts of Scandinavia and northern Russia. Heavy rain reported over southern Italy.

Temperature fallen in Scandinavia and the north of Scotland, as well as over France, northern Italy, and the south of Russia, but risen in most other localities. Morning readings highest, (1) 66° at Lisbon, 68° at Oran, 65° at Algiers, and 63° at Nemours; (2) 55° at Roche's Point and Scilly. Lowest, (1) 24° at Kharkov; (2) 26° at Haparanda, and 30° at Uleaborg; (3) 29° at Belfort, 30° at Paris, and 32° at Le Mans and Lyons; below 40° in the north of England. Rising during day to 55° and upwards at many of the English and Irish stations, to 60° and upwards in the west of France, and to 70° and upwards in Spain and the south of France; reaching 81° at Oporto. Frost occurring in the north of Scotland at night.

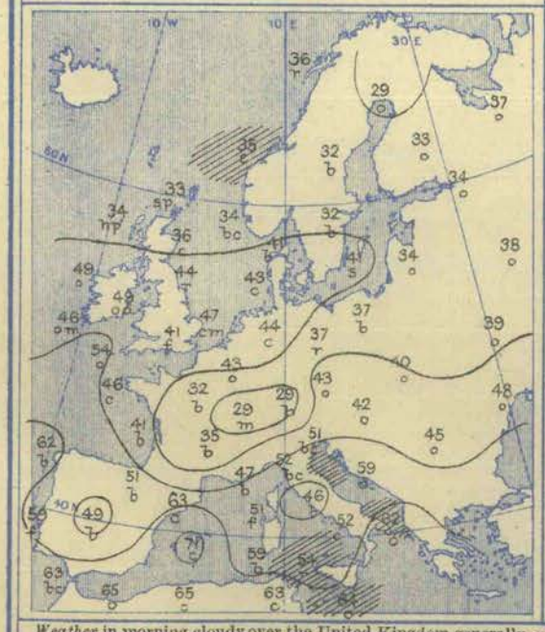
Wind light to fresh from the South-Eastward on the west coasts of our Islands and France, but variable in our more central districts. Light from the North-Westward on the east coasts of Great Britain; moderate to strong from the same quarter in Scandinavia and Denmark, with a gale at Wisby and Christiansund; South-Westerly over Germany, and also over the northern and central parts of Russia. North-Easterly in the south of Russia; variable in Austria; Northerly in Italy; variable in the south of France. Subsequently backing to the Eastward over France and our extreme south-west coasts; no important change occurring elsewhere.

Barometer highest, 30·2 ins. to 30·3 ins. in an anticyclone lying over the greater part of our Islands, and spreading in the form of a long band across the Netherlands and central Germany, as well as in another system over the south of Russia. Lowest, 29·3 ins. and less in a depression over Lapland; 29·6 ins. and less in another disturbance lying to the southward of Sicily. Both depressions moving eastwards later, anticyclone over our Islands gradually giving way.

Monday, 21st October.

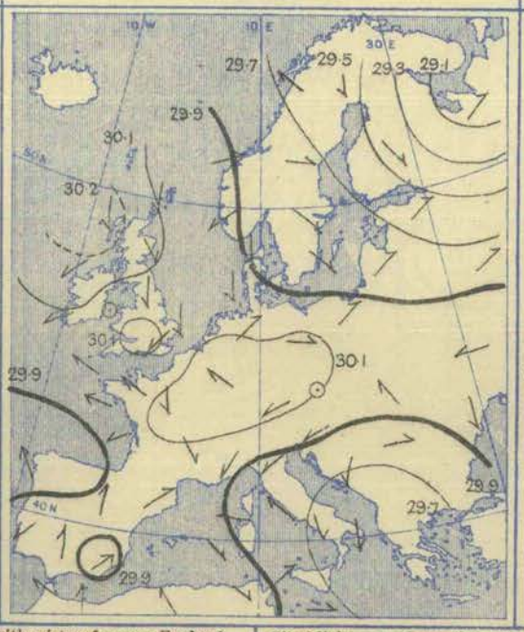
Temperature and Weather.

8 a.m.

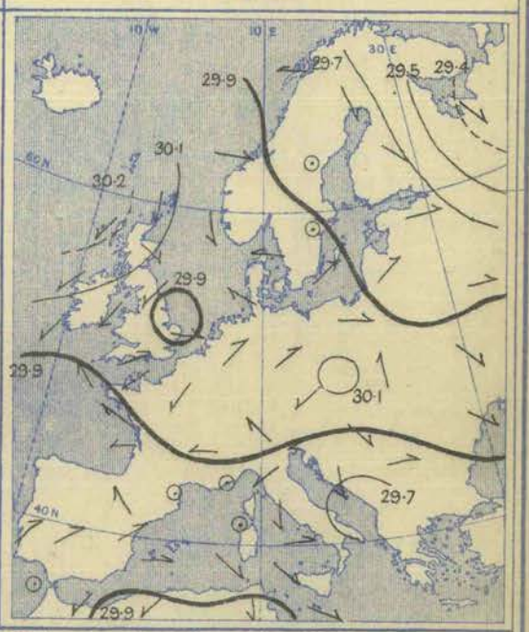


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy over the United Kingdom generally, with mist or fog over England, rain at many of our northern stations, and snow or hail showers in the Shetlands and Hebrides. Fine over the greater part of France and southern Europe, as well as at many of the Scandinavian and Baltic stations, but rain falling at Bodö, and snow at Christiansund and Wisby. Dull at most of the German, Austrian, and Russian stations, with rain at Berlin. Rain setting in later in nearly all parts of the United Kingdom, and snow falling in the north of Scotland. Solar halo seen at Jersey. Rain falling in Portugal, heavily at Lisbon.

Temperature fallen in most of the northern and north-western countries, but risen elsewhere. Morning readings highest, 71° at Palma, and 65° at Nemours, Oran, and Algiers; slightly above 60° on the coasts of the Iberian Peninsula. Lowest, (1) 29° at Uleaborg, and 30° at Haparanda and Karlstad; (2) 29° at Belfort and Munich; (3) 33° at Sumburgh Head, and 34° at Stornoway. Daily maxima below 45° at most of our own northern stations, exceeding 60° in the south of France, and exceeding 70° over Spain and southern Italy. Frost occurring over central Ireland and the north of Scotland at night.

Wind light to moderate from the Eastward over the south-west of our Islands and the greater part of France and Spain; Northerly in most other parts of the United Kingdom, but variable in the north of England. Northerly or North-Westerly over Scandinavia, Denmark, and eastern Germany, but South-Westerly on the southern shores of the Baltic. Light and variable over Austria and the south of Russia; Northerly or North-Easterly over Italy and the Adriatic, with a moderate gale at Brindisi. No important change occurring during day, but wind freshening from the Northward on some parts of our north and north-west coasts.

Barometer highest, 30·1 ins. to 30·2 ins. (1) over Scotland and the northern and central parts of Ireland; (2) over central England, and (3) over Germany, the Netherlands, and central France. Lowest, 29·1 ins. and less in a well-marked depression over northern Russia; 29·6 ins. and less in another disturbance off the west coast of Greece; 29·9 ins. and less in a shallow system over the north of Spain. Spanish depression subsequently increasing in size and spreading north-eastwards, small disturbance forming off the east of England, barometer falling rather decidedly over France and our southern coasts.

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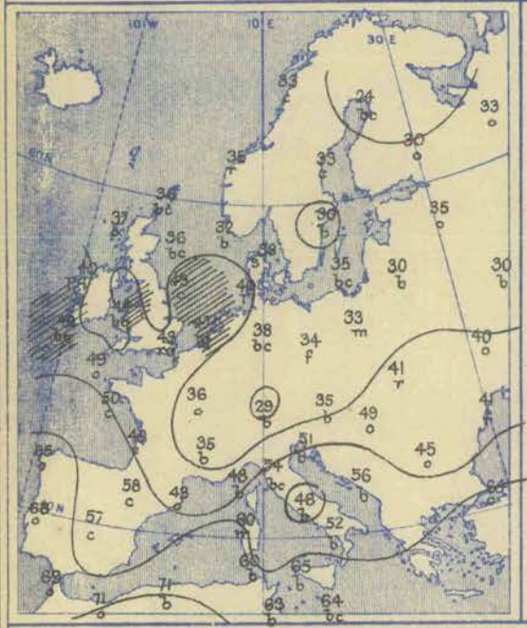
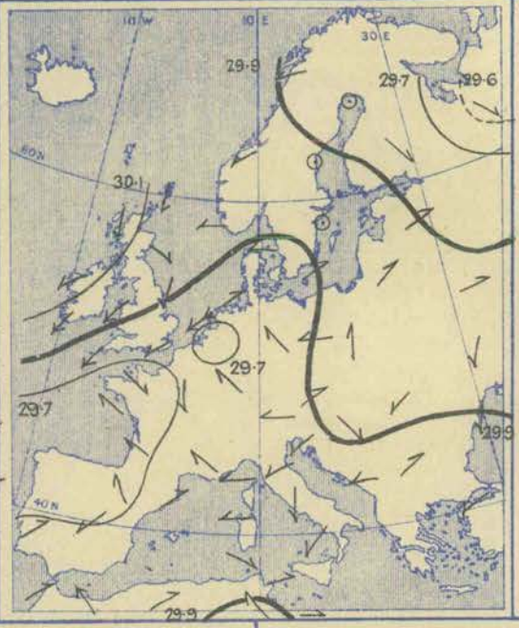
Tuesday, 22nd October.

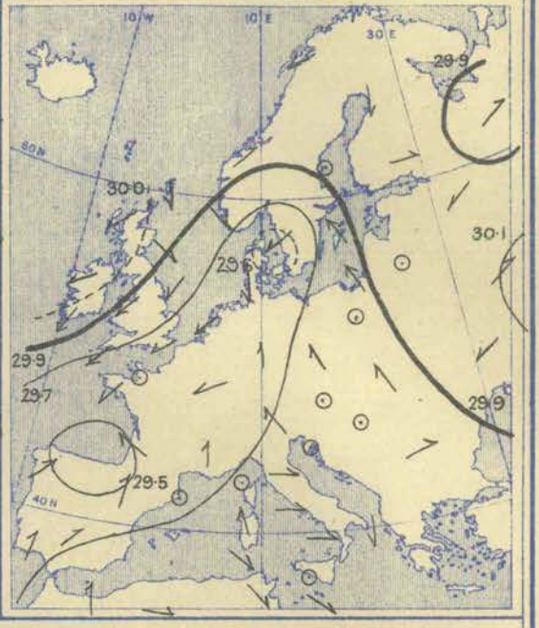
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at many of the Irish and Scotch stations, but with cold showers in places, dull and rainy over the greater part of England. Fine in Sweden, and also in Austria and Italy; foggy in Germany; dull in most other Continental countries, with rain and snow in Denmark. Snow or sleet showers falling later in the northern parts of Great Britain, and heavy rain in the south of England, as well as over the Spanish Peninsula—as much as 2·2 ins. at Corunna. Thunderstorms occurring on the coasts of Var (south of France).

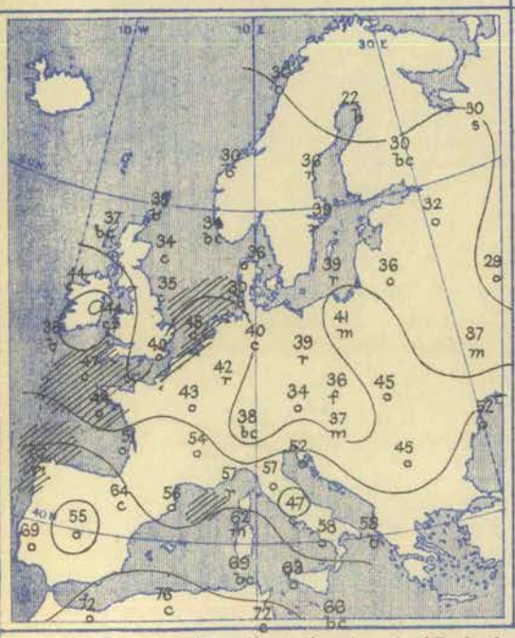
Temperature risen over Spain, France, and the extreme south-east of England, as well as in the north of Scotland, but fallen elsewhere. Morning readings highest, 71° at Nemours and Algiers, and 69° at San Fernando; above 60° at many of the Mediterranean and Spanish coast stations. Lowest, (1) 24° at Haparanda and 26° at Karlstad; (below 35° in many parts of Scandinavia, Russia, and Germany); (2) 33° at Parsonstown; (below 40° over the northern and central parts of Great Britain generally). Daily maxima below 45° in many parts of our Islands, sharp frost occurring at night over central Ireland, and also (on the ground) over central England.

Wind Northerly or North-Easterly in our Islands, and strong in force on our eastern and western coasts, with a gale in places. Light to moderate from the South-Westward over the Spanish Peninsula, and from the South-Eastward or Eastward in the west of France. Easterly in Norway, and also in Germany, but variable in Denmark; calm in Sweden. North-Westerly or Westerly over northern Russia, but North-Easterly in the south of that country; variable in Austria and Italy. Subsequently increasing to a gale from the North-Eastward in the south-west of England, but subsiding gradually on our eastern coasts.

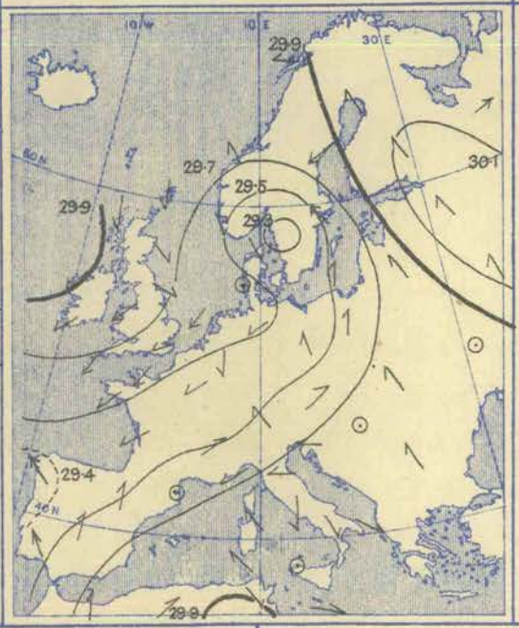
Barometer highest, 30·1 ins. and upwards in an anticyclone lying off our extreme north-west coasts; 30·0 ins. and upwards in another area extending from central Russia to the Baltic. Lowest, 29·6 ins. and less in a depression over the extreme north of Russia; 29·7 ins. and less in a small disturbance between the English and Dutch coasts, and also in a larger area over the Bay of Biscay and the north-west of Spain. Latter systems uniting later, and barometer falling in all parts of western Europe.

Wednesday, 23rd October.

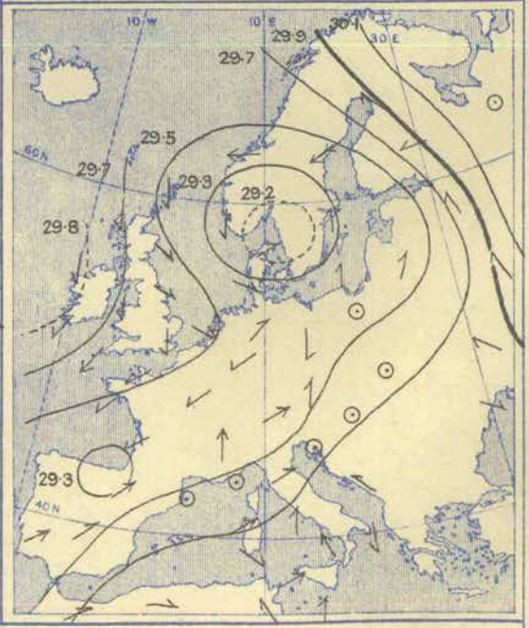
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy on the south-east coasts of England, and also in the Channel Islands, showery at many of our northern stations, with snow at Wick; fair in the south-western parts of the Kingdom. Dull over the greater part of the Continent, with rain at Brussels and Corunna, and with rain or snow in many parts of Sweden, northern Russia, and the south of Norway. Showers of hail or sleet falling later in many parts of the United Kingdom, and heavy rain at many of the Continental stations.

Temperature risen in most of the central and southern countries, and also in Sweden, but fallen elsewhere. Morning readings highest, 76° at Algiers, 72° at Nemours and Sfax, and 70° at Barcelona; above 60° at most of the Mediterranean and Spanish coast stations. Lowest, (1) 22° at Uleaborg, and 28° at Haparanda; (2) 24° at Parsonstown, 31° at Loughborough, and 34° at Aberdeen. Thermometer remaining at or below 45° all day in many parts of the United Kingdom, and below 50° in the north of France; exceeding 70° over southern Europe as a whole, and reaching 82° at Palermo. Sharp frost occurring at night over the inland parts of England; thermometer on grass at Loughborough falling to 16°.

Wind moderate from the North-Westward on our east coasts, but fresh or strong from the North-Eastward in the west and south of our Islands and the north of France. South-Easterly over Russia and the greater part of Germany, and Easterly in Scandinavia, but North-Westerly at Skudesnaes and the Scaw. Strong from the Southward over the Spanish Peninsula; Easterly over northern Italy and the south of France; North-Westerly or Westerly over southern Italy. No important change occurring over western Europe during day, but wind veering to the South-Westward in Spain, and shifting to the Southward in Italy.

Barometer highest, 30·1 ins and upwards in an anticyclone over northern and central Russia; 29·9 ins. and upwards in an area lying off our own north-west coasts. Lowest, 29·3 ins. and less in a well-marked depression over the Skager Rack; 29·4 ins. and less in another disturbance off the Portuguese coasts. Former depression subsequently moving slowly westwards over the south of Norway. Portuguese disturbance advancing north-eastwards over the Bay of Biscay; barometer falling over western Europe generally.

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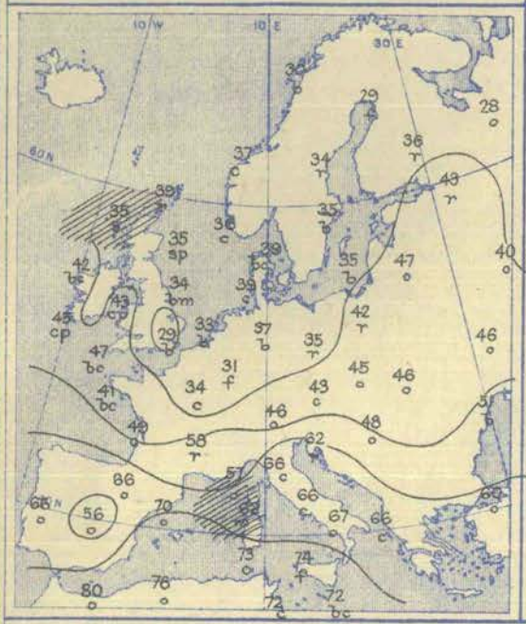
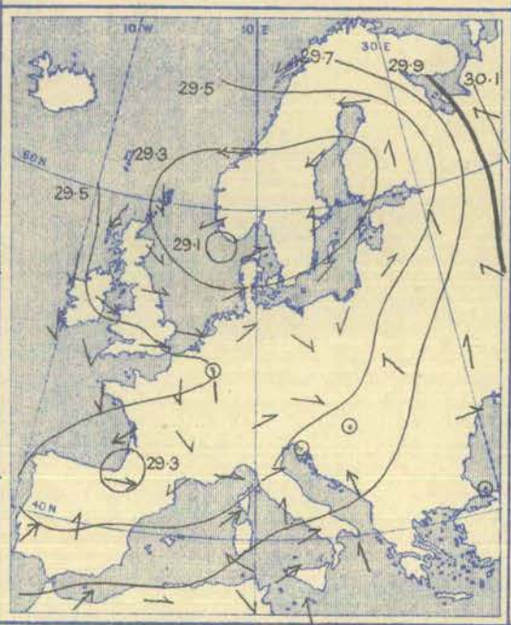
Thursday, 24th October.

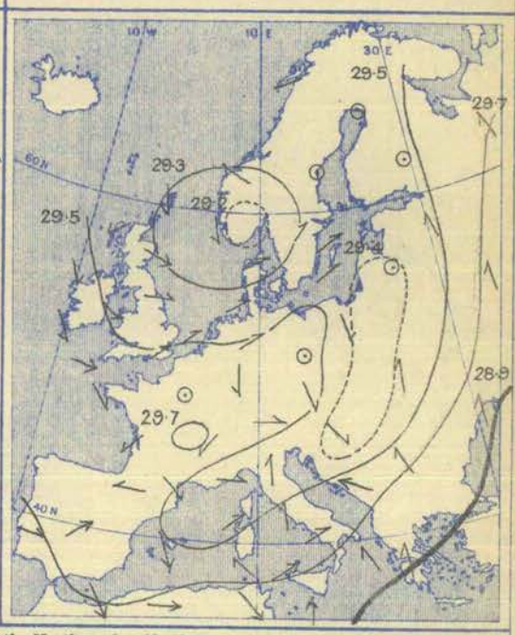
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of England, but showery in Ireland and Scotland, with snow in the north. Fine at most of the Scandinavian and Danish stations, but dull in most other parts of the Continent, with rain over central France, as well as over Finland and the Baltic provinces. Rain, hail, or sleet falling later in many parts of Europe—heavily in places. Thunder and lightning occurring at Dungeness and the Helder; lightning seen at Cuxhaven, and also at Stornoway.

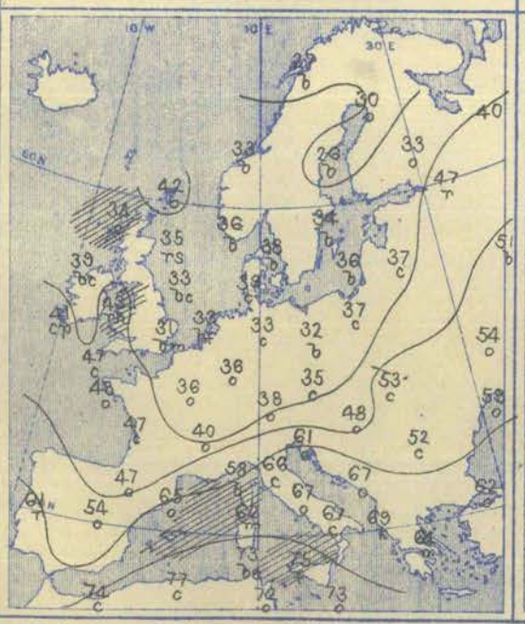
Temperature risen decidedly over Russia, Austria, and Italy, but fallen in most other countries. Morning readings highest, 85° at Nemours, 76° at Algiers, and 74° at Palermo; above 65° on the coasts of Italy and the Spanish Peninsula. Lowest, (1) 27° at Loughborough, and 28° at Oxford and Cambridge (below the freezing point over the inland parts of England generally); (2) 28° at Archangel, 29° at Uleaborg, and 30° at Bodö. Daily maxima below 45° at several of our own northern and eastern stations, but thermometer rising to 50° or more on our extreme south-west coasts; exceeding 70° over Spain, Italy, and the extreme south of France. Sharp frost occurring in many parts of the United Kingdom at night.

Wind moderate to fresh from the Northward or North-Westward on our western and northern coasts, but light from the Westward over the greater part of England; South-Westerly in Denmark and the south of Sweden. Southerly or South-Easterly in Russia; Easterly or North-Easterly over Lapland and the greater part of Norway; North-Easterly in the west of France, but Westerly or South-Westerly over the Spanish Peninsula and the south of France, and Southerly in Italy, with a moderate gale at Leghorn. No important change occurring over Europe during day.

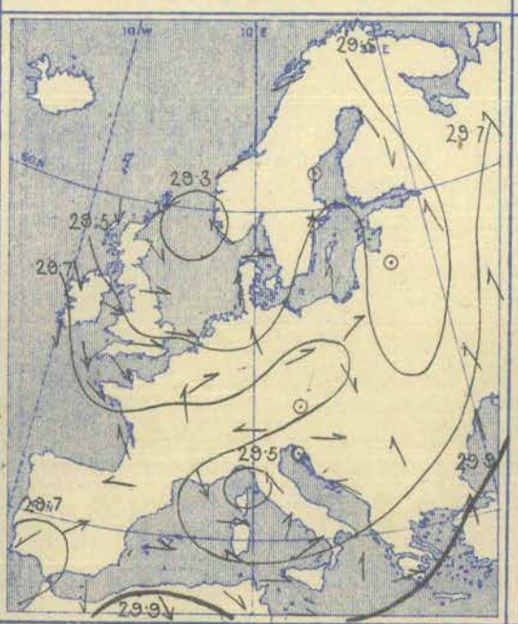
Barometer highest, 30·0 ins. and upwards over northern Russia; 29·7 ins. and upwards in Algeria; 29·6 ins. and upwards in an area spreading from the Atlantic over the south-western parts of our Islands. Lowest, 29·1 ins. and less in a depression off the south of Norway; 29·3 ins. and less in another disturbance over the south-west of France. Norwegian depression filling up slowly during day, but shallow secondary disturbances moving south-eastwards across our Islands. French depression moving eastwards to the Gulf of Genoa.

Friday, 25th October.

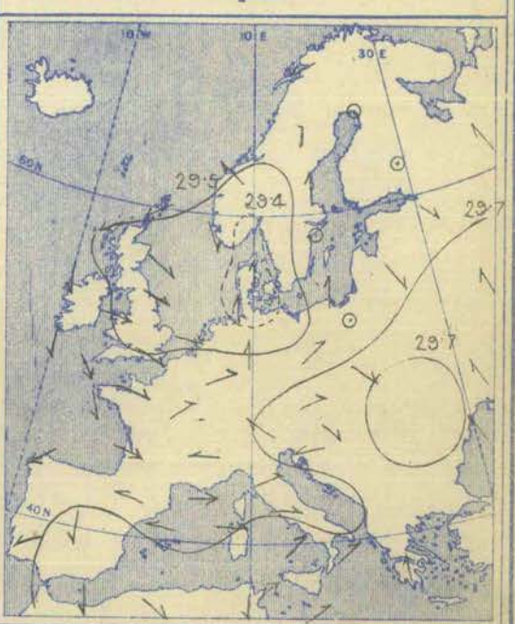
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the United Kingdom generally, but showery at some of our western and northern stations, with hail and sleet in places. Fine over Scandinavia, Denmark, and north Germany, and also in the south of France; cloudy in most other parts of the Continent, with rain at St. Petersburg, Warsaw, Lisbon, and Brindisi. Rain, hail, or sleet falling during day at most of our south-western, western, and northern stations, as well as in many of the Continental countries—amount very large at Lisbon. Thunder and lightning occurring in evening or night in the west and south of our Islands generally.

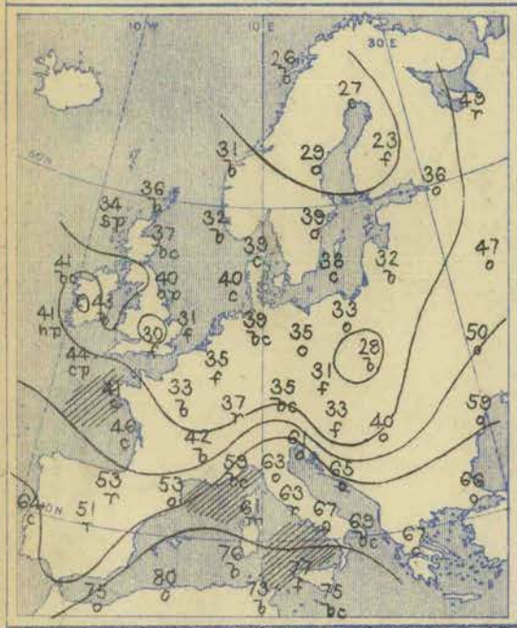
Temperature fallen in Spain, France, and Germany, and also in Scandinavia, changed irregularly elsewhere. Morning readings highest, 77° at Algiers, 75° at Palermo, and 74° at Oran; above 65° at the Mediterranean stations generally. Lowest, (1) 26° at Hernösand, 27° at Bodö, and 31° at Haparanda; (2) 31° in London and at Parsonstown; (3) 32° at Berlin, Münster, and Wiesbaden. Daily maxima below 45° at many of our northern and eastern stations, but slightly exceeding 50° over the English Channel, exceeding 65° over southern Europe generally. Frost over the central and eastern parts of England at night.

Wind moderate to fresh from the Northward or North-Westward on our western and northern coasts, and also in the north-west of France, but Westerly or South-Westerly over the eastern and central parts of England and the Netherlands; Southerly over Denmark, the Baltic, and the greater part of Russia; Easterly or North-Easterly at most of the Scandinavian stations. Variable over Germany and Austria; Southerly in Italy; North-Westerly in the south of France; South-Easterly or Easterly in the south-west of France, but variable over the Spanish Peninsula. Subsequently veering to the Eastward in the north of Scotland, and blowing very strongly at Wick; no important change occurring elsewhere.

Barometer highest, 29·9 ins. and upwards over the southern parts of Russia, and also over the Levant; 29·8 ins. and upwards in Algeria. Lowest, 29·3 ins. and less in a depression lying between the Scotch and Norwegian coasts; 29·5 ins. and less in two other disturbances, one lying over the Gulf of Genoa, and the other over the south-western parts of Austria; 29·7 ins. and less in a shallow system off the south-west of Spain. Depression over North Sea filling up gradually during day. Spanish disturbance moving north-eastwards.

Saturday, 26th October.

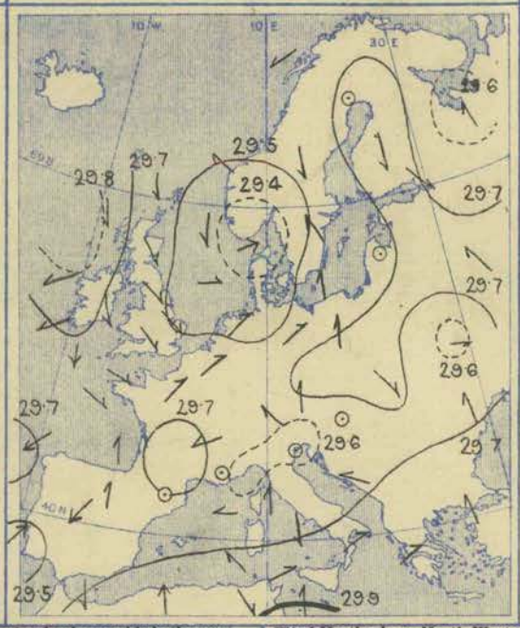
Temperature and Weather. 8 a.m.

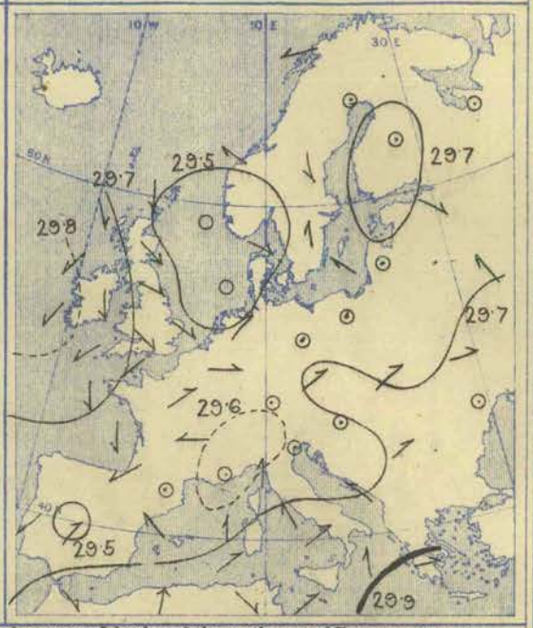


Weather in morning foggy over the eastern and central parts of England; changeable in the west and north of our Islands, with showers of snow or hail in places. Fine in the west of Norway, as well as at some of the central and southern French stations, and in southern Italy, cloudy or dull in most other parts of the Continent, with fog in many places; rain falling at Archangel, and also at Belfort, Biarritz, Rome, and Madrid. Rain, hail, or snow falling during day in many parts of Europe—heavily in places. Lightning occurring in evening or night at many of our southern stations, with thunder at Pembroke, as well as in Holland and north Germany.

Temperature risen over the northern parts of our Islands, and also in Sweden, but fallen in most other localities. Morning readings highest, 80° at Algiers, 76° at Cagliari, and 75° at Oran and Malta; above 65° at many of the Mediterranean stations. Lowest, (1) 24° at Uleaborg, and 26° at Bodö; (2) 26° at Loughborough and Cambridge, and 27° at Oxford and Parsonstown; (3) 28° at Warsaw, and 30° at Breslau. Daily maxima below 45° in many parts of Great Britain. Thermometer rising to 60° or more in Spain and the extreme south of France, and to 70° or more in Italy. Sharp frost occurring in many parts of our Islands at night.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind Northerly or North-Westerly over our Islands and the north-west of France, and fresh or strong in force on the more exposed parts of our western coasts. Light from the Southward or South-Westward over Denmark, Germany, and the Netherlands; variable in Sweden; Easterly or North-Easterly in Norway. Light or variable in Russia and Austria; chiefly Southerly in Italy. Fresh or strong from the Northward or North-Eastward in Spain, but Southerly at Lisbon. Subsequently blowing strongly from the North-Westward in the north-east of Scotland; shifting to the Northward or North-Eastward in the south-west of France.

Barometer highest, 29·9 ins. and upwards over the central parts of the Mediterranean; 29·8 ins. and upwards in an area lying off our extreme north-west coasts, and also in another system over the south of Russia. Lowest, 29·4 ins. and less in a depression over Denmark and the extreme south of Norway; 29·5 ins. and less in another disturbance off the south-west of Portugal. Small secondary depression advancing later over the North Sea from the Northward, and barometer falling on most of our northern coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The anticyclone noticed over western Europe at the close of last week gave way briskly after the 20th, while a large and complex area of low pressure spread north-eastwards from the Spanish Peninsula. Strong Northerly and North-Easterly winds consequently set in over the United Kingdom, with a decided fall of temperature, and with rain, followed by showers of hail, sleet, or snow.

On the 22nd, when the low pressure system embraced nearly the whole of western and central Europe, a definite depression was developed on its northern limb, in the neighbourhood of the Skager Rack, and during the next two or three days this disturbance moved slowly in a west-north-westerly direction, the system eventually dispersing between the Scotch and Norwegian coasts. In the interval, the wind in our Islands moderated and backed to North or North-West, but the weather remained exceedingly cold and changeable, especially in the more western and northern districts, where snow or sleet showers occurred at frequent intervals. During the last three nights of the week thunder and lightning were experienced in the western and southern parts of the Kingdom generally, as well as in Holland and north Germany.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 254.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	23·7	?	35	?	EASTBOURNE	25·7	?	37	?
OSWALDKIRK (Yorkshire)	28·3	?	41	?	MANCHESTER (Oldham Road)	6·5*	?	9*	?
WORKSOP	18·3	+ 1·3	27	+ 2	TENBY	28·4*	?	41*	?
THURCASTON (Leicestershire)	18·1	+ 0·6	26	+ 1	NEWQUAY	31·9	?	45	?
MARGATE	15·7	?	22	?	TORQUAY	22·9*	?	32*	?
WESTBOURNE (Sussex)	19·8*	?	28*	?	ARLEY COTTAGE (County Cavan)	33·5	?	49	?
BRIGHTON	23·9	?	34	?	GUERNSEY	26·7*	?	38*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Lt., Lith, 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 44.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 2ND, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 260.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	23	42·8	30·8	36·6	7 below	2	−23	38	+28	2055	+275	806	+307
	1. SCOTLAND, EAST	51	21	42·5	30·3	36·6	6 below	1	−27	43	+30	2300	+ 33	1079	+459
	2. ENGLAND, N.E.	52	24	45·2	32·1	38·4	7 below	9	−23	35	+27	2621	+213	848	+313
	3. ENGLAND, EAST	57	22	46·4	31·0	38·4	7 below	12	−24	39	+28	2955	+153	920	+312
	4. MIDLAND COUNTIES	54	19	45·8	31·4	38·4	6 below	11	−23	38	+26	2919	+176	1013	+402
	5. ENGLAND, SOUTH	57	21	48·4	33·7	40·8	6 below	18	−26	32	+25	3163	+127	812	+363
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	51	21	45·6	31·9	38·5	6 below	10	−22	36	+28	2472	+129	854	+411
	7. ENGLAND, N.W.	53	19	45·4	34·8	40·0	6 below	19	−26	27	+21	2742	+210	779	+337
	8. ENGLAND, S.W.	58	20	48·0	34·3	41·0	7 below	17	−29	30	+27	2958	+136	709	+332
	9. IRELAND, NORTH	52	25	46·6	34·3	40·3	5 below	13	−22	29	+22	2559	+ 65	692	+305
	10. IRELAND, SOUTH	55	25	48·0	35·3	41·5	5 below	17	−27	27	+21	2799	− 12	537	+234
	—CHANNEL ISLANDS	56	34	51·6	40·7	46·0	5 below	33	−30	4	+ 4	3447	+215	364	+252

Rainfall.

	DISTRICTS. (See p. 260.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	8	5 less	196	− 7	38·9	− 2·8
	1. SCOTLAND EAST	3	3	4 less	158	− 9	25·0	− 1·5
	2. ENGLAND, N.E.	4	4	2 less	155	0	24·1	+ 2·0
	3 ENGLAND, EAST	4	4	2 less	133	−18	19·9	− 1·9
	4. MIDLAND COUNTIES	2	1	6 less	126	−24	18·9	− 5·4
	5. ENGLAND, SOUTH	4	7	0 (average)	121	−24	18·3	− 4·7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	4	8 less	161	−14	28·6	−13·5
	7. ENGLAND, N.W.	4	9	1 less	147	−15	25·8	− 3·4
	8. ENGLAND, S.W.	5	7	3 less	132	−35	26·4	− 6·5
	9. IRELAND, NORTH	4	7	1 less	176	−14	28·1	− 1·8
	10. IRELAND, SOUTH	4	6	3 less	147	−26	28·1	− 4·3
	—CHANNEL ISLANDS	6	11	2 more	149	−28	22·6	− 4·6

Bright Sunshine.

	DISTRICTS. (See p. 260.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	15	− 4	24	− 8	1034	− 13	29	0
	1. SCOTLAND EAST	19	+ 9	30	+13	1292	+151	36	+ 4
	2. ENGLAND, N.E.	23	+ 7	35	+10	1399	+246	35	+ 6
	3 ENGLAND, EAST	18	− 1	27	− 2	1620	+224	42	+ 6
	4. MIDLAND COUNTIES	18	+ 1	27	+ 2	1501	+250	38	+ 6
	5. ENGLAND, SOUTH	26	+ 4	37	+ 7	1697	+220	42	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	24	+10	37	+15	1345	+100	34	+ 3
	7. ENGLAND, N.W.	9	− 1	13	− 3	1295	+211	36	+ 5
	8. ENGLAND, S.W.	23	+ 3	33	+ 4	1744	+245	44	+ 6
	9. IRELAND, NORTH	28	+12	42	+19	1260	+141	32	+ 3
	10. IRELAND, SOUTH	25	+ 6	38	+10	1390	+ 54	35	+ 1
	—CHANNEL ISLANDS	30	+ 7	44	+12	1945	+270	52	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was very changeable during the earlier part of this period, with frequent showers of rain, hail, or sleet in all districts, and occasional thunder and lightning at some of the south-western and southern stations. Towards the end of the week, however, a decided improvement took place, fair, dry weather being experienced generally.

Temperature was again much below the mean, the deficit ranging from 5° in Ireland N. and the Channel Islands, to 6° or 7° over Great Britain and in Ireland S. The highest of the maxima were recorded either on November 1st or 2nd, and ranged from 58° in England S.W. and 57° in England E. and S., to 49° in Scotland N. The lowest of the minima were registered between the 27th and 29th, when the thermometer fell to 19° in the Midland counties and England N.W., to 20° in England S.W., 21° in England S. and Scotland E. and W., and to between 24° and 26° in all other districts excepting the Channel Islands, where the lowest reading was 34°. The lowest values reported from thermometers exposed on the grass were 13° at Worksop, 16° at Loughborough, 20° at Oxford, and 21° at Stamford and in London.

Rainfall exceeded the mean in the Channel Islands, and just equalled it in England S., but was rather less than the normal in nearly all the other districts, and considerably so in the Midland counties.

Bright Sunshine varied considerably in amount over different parts of the Kingdom, but exceeded the normal in most districts. The percentage of the possible duration ranged from 44 in the Channel Islands, and 42 in Ireland N., to 24 in Scotland N., and 13 in England N.W.

Barometer and Wind.—During the earlier days of the week the barometer was highest in the west, while depressions were observed over the North Sea and the south-eastern and eastern parts of our Islands. The wind was consequently Northerly or North-Westerly very generally, and, though light or moderate as a whole, it occasionally blew freshly or strongly in the north and north-west. On Wednesday a new depression appeared in the north-west, and subsequently moved south-eastwards over the North Sea and Great Britain. In its rear the barometer rose decidedly, and an anticyclone was formed over the North Sea and our northern and eastern districts, while the barometer became lowest in the south-west. Winds varying between South-East and North-East therefore became prevalent and blew strongly at some of the Channel stations.

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213 70 11|95 1896

II.—DATA from which the SUMMARY on page 259 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	48	32	44·4	34·4	39·3	- 4·1	7	28	6	1·02	+0·05	*	*	*	*
	Stornoway	49	32	44·3	33·3	38·6	- 4·9	6	31	4	1·04	-0·09	10·1	- 3·9	16	- 3
	Wick	45	25	43·3	30·1	36·5	- 6·9	4	41	4	0·40	-0·30	*	*	*	*
	Glencarron $	40	23	37·6	27·7	32·5	- 9·8	0	67	4	1·65	-0·58	*	*	*	*
	Fort Augustus $	46	23	43·9	28·0	35·7	- 7·6	5	49	4	0·20	-0·72	11·9	?	19	?
	Fort William $	47	27	43·2	31·4	37·1	- 7·2	3	37	3	0·23	-1·58	24·2	?	38	?
1. SCOTLAND, E.	Nairn	46	21	42·7	29·9	36·1	- 7·2	2	41	5	0·54	+0·03	*	*	*	*
	Aberdeen	47	28	43·0	32·3	37·5	- 6·4	3	34	5	0·54	-0·16	26·6	+ 8·9	41	+23
	Braemar $	41	22	38·6	28·2	35·3	- 5·0	0	47	4	0·08	-0·82	11·5†	?†	18†	?†
	Ochtertyre $	51	26	45·7	29·3	37·3	- 5·5	10	46	1	0·06	-0·96	*	*	*	*
	Leith $	49	39	46·9	33·0	39·7	- 5·4	14	33	1	0·06	-0·42	*	*	*	*
	Marchmont $	42	25	38·1	29·1	33·5	- 9·1	0	60	3	0·52	-0·30	21·0	?	33	?
2. ENGLAND, N.E.	Alnwick Castle	46	29	42·6	31·3	36·8	- 7·8	2	37	4	0·47	-0·28	*	*	*	*
	Durham	49	25	44·3	27·6	36·7	- 7·2	6	43	4	0·52	-0·12	16·6	+ 0·4	26	+ 1
	Shields	52	27	45·7	31·9	38·6	- 5·4	10	37	3	0·42	-0·12	*	*	*	*
	Scarborough $	49	29	45·5	34·3	39·7	- 6·2	10	28	4	0·51	-0·19	*	*	*	*
	York	50	24	47·1	28·4	17·5	- 7·3	14	49	3	0·25	-0·35	26·9	+12·3	41	+19
	Spurn Head	49	33	45·7	37·1	41·3	- 5·3	10	19	3	0·22	-0·30	*	*	*	*
3. ENGLAND, E.	Hillington $	54	22	45·7	30·5	37·9	- 7·3	10	41	5	0·46	-0·17	16·6	- 0·3	25	- 2
	Yarmouth	50	27	45·1	34·3	39·5	- 6·8	9	28	4	0·70	0·00	*	*	*	*
	Geldeston	57	23	47·5	29·7	38 3	- 7·7	15	45	5	0·70	+0·10	21·9	+ 1·7	33	+ 3
	Cambridge	56	23	46 9	29·0	37·7	- 7·3	14	47	3	0·09	-0·41	16·3	- 3·0	24	- 6
	Rothamsted	54	25	46·6	31·4	38·8	- 5·7	13	39	2	0·12	-0·52	17·6	?	26	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	24	46·1	30·9	38·3	- 6·3	11	40	2	0·07	-0·48	*	*	*	*
	Loughborough	50	24	46·4	31·1	38·5	- 6 3	12	39	2	0·08	-0·50	*	*	*	*
	Stamford (Ketton Hall)	52	22	46 9	30·3	38·4	- 6·4	14	43	3	0·09	-0·54	*	*	*	*
	Cheadle $	48	26	43·8	31·6	37.5	- 6·0	5	36	1	0·04	-0·78	*	*	*	*
	Solihull	51	26	44·0	32·6	38·1	- 6·0	6	33	2	0·08	?	*	*	*	*
	Churchstoke $	50	19	45·2	30·7	37·7	- 6·6	9	40	3	0·12	-0·68	20·0	+ 4·1	30	+ 6
	Hereford $	52	24	46·9	32·0	39·2	- 6·1	14	37	2	0·02	-0·58	*	*	*	*
	Cirencester	53	24	46·0	31·7	38·6	- 5·6	11	37	3	0·11	-0·56	21·9	+ 3·9	33	+ 6
	Oxford	54	26	47·3	31·9	39·4	- 6·1	15	38	2	0·12	-0·41	19·0	+ 0·3	28	0
5. ENGLAND, S.	London	56	23	48·0	31·4	39·5	- 6·8	17	40	3	0·22*	-0·31	10·5†	- 2·6†	16†	- 4†
	North Foreland	54	32	47·7	37·6	42·5	- 4·5	22	12	4	0·80	?	*	*	*	*
	Strathfield Turgiss $	56	23	48·0	30·4	39·3	- 6·0	19	43	3	0·10	-0·48	*	*	*	*
	Dungeness	54	29	49·6	35·0	42·1	- 5·8	30	20	5	1·33	+0·53	*	*	*	*
	Hastings (St. Leonards)	53	30	47·8	36·1	41·8	- 6·2	16	24	4	1·58	+0·76	32·0	+10·0	48	+15
	Southampton	57	26	49·6	33·4	41·3	- 5·8	21	34	3	0·25	-0·44	24·5	+ 4·5	37	+ 8
	Hurst Castle	56	29	49·1	35·3	42·0	- 6·4	20	19	3	1·08	+0·36	*	*	*	*
	Stowell $	55	21	46·4	30·4	38·2	- 7·0	12	42	4	0·34	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	29	45·7	30·9	18·1	- 6·4	10	40	3	0·34	-1·56	*	*	*	*
	Glasgow	48	29	44·0	32·7	38·2	- 5·6	6	33	1	0·22	-0·66	23·6	+13·6	37	+22
	Ardrossan	50	28	46·3	33·3	39·6	- 6·3	12	32	1	0·18	-0·71	*	*	*	*
	Glenlee $	51	21	45·3	27·1	35·9	- 7·3	9	52	1	0·28	-1·03	*	*	*	*
	Douglas (Isle of Man)	50	29	46·7	35·5	40·9	- 5·2	13	25	5	0·95	-0·05	24·2	+ 6·1	37	+ 9
7. ENGLAND, N.W.	Stonyhurst	47	20	43·2	32·0	37·4	- 7·4	3	34	2	1·41	+0·31	9·4	- 4·3	14	- 8
	Blackpool $	51	19	46·4	30·6	38·3	- 7·5	12	42	4	0·71	-0·16	14·1	- 0·2	21	- 1
	Manchester (Prestwich)	50	20	43·5	31·8	37·5	- 7·2	4	36	2	0·19	-0·74	5·3	?	8	?
	Liverpool Obsy. (Bidston)	50	27	44·7	35·1	39·8	- 6·5	8	25	4	0·69	-0·05	*	*	*	*
	Llandudno $	51	32	46·8	38·7	42·6	- 5·1	18	9	5	1·43	+0·63	14·1	+ 0·4	21	0
	Holyhead	53	30	47·9	40·7	44·2	- 4·2	21	4	4	0·73	-0·26	*	*	*	*
8. ENGLAND, S.W.	Llandovery	53	20	46·1	27·6	36·6	- 9·2	11	52	4	0·33	-0·92	*	*	*	*
	Pembroke	53	35	47·6	29·0	43·2	- 5·9	21	8	5	1·15	+0·27	18·6	+ 0·6	28	0
	Bristol (Montpelier)	56	25	48·2	31·9	39·7	- 6·2	17	39	3	0·19	-0·57	*	*	*	*
	Arlington (N. Devon)	54	18	47·3	33·0	39·9	- 6·5	15	33	5	1·42	-0·03	*	*	*	*
	Cullompton $	54	22	46·7	29·2	37·7	- 9·6	13	46	4	0·67	-0·11	16·5	+ 0·5	25	+ 2
	Falmouth	55	35	49·1	38·9	43·9	- 5·7	26	9	5	1·16	-0·08	25·3	+ 2·7	37	+ 5
	Plymouth	58	30	49·6	38·5	43·9	- 4·8	28	10	5	0·41	-0·53	25·7	+ 7·5	38	+11
	Prawle Point	53	31	49·3	36·6	42·8	- 6·1	28	15	5	0·62	-0·18	*	*	*	*
9. IRELAND, N.	Malin Head	51	35	47·0	39.0	42 9	- 2·1	19	8	4	1·45	?	*	*	*	*
	Londonderry	52	31	46·1	34·5	40·1	- 5·2	11	28	5	1·35	+0·37	*	*	*	*
	Edenfel (Omagh)	50	30	44·0	33·1	38·4	- 5·4	6	32	4	0·66	-0·15	*	*	*	*
	Belmullet	50	36	47·4	38·1	42·6	- 6.0	21	11	5	1·35	?	*	*	*	*
	Markree Castle	52	27	47·7	32·8	40·0	- 4·9	16	34	5	0·74	-0·17	27·7	+11·2	42	+17
	Brookeborough	51	25	47·2	30·3	38·5	- 5·2	15	43	3	0·29	-0·66	*	*	*	*
	Armagh	50	28	46·6	32·2	39·2	- 5·1	13	36	2	0·22	-0·43	28·7	+13·9	43	+29
	Donaghadee	51	34	47·9	37·0	42·3	- 3·8	23	14	4	0 25	-0·50	*	*	*	*
	Edgeworthstown	51	27	45·4	31·8	38·4	- 6·0	10	37	2	0·05	-0·69	*	*	*	*
10. IRELAND, S.	Dublin	52	30	46·9	35·8	41·2	- 5·7	14	24	3	0·54	-0·12	24·3	+ 4·8	37	+ 7
	Parsonstown	51	26	46·0	31·0	38·3	- 6·9	11	40	3	0·26	-0·43	23·5	+ 5·9	36	+ 9
	Kilkenny	54	35	48·7	38·7	43·6	- 5·1	25	9	2	0·45	-0·51	*	*	*	*
	Roche's Point	55	30	50·3	37·7	43·8	- 5·6	31	12	6	0·79	-0·60	26·5	+ 6·9	40	+13
	Valencia	54	25	48·7	32·2	40·2	- 5·4	19	37	3	0·98	?	*	*	*	*
	Killarney	52	32	47·2	26·4	41·6	- 4·3	15	22	4	0·48	?	*	*	*	*
	Foynes	56	38	51·3	42·0	46·5	- 4·7	32	0	6	0·64	-0·25	29·7	?	44	?
CHANNEL ISLANDS	Scilly (St. Mary's)	55	34	51·9	39·4	45·5	- 4·7	35	7	6	1·60	+0·54	30·0	+ 7·0	44	+12
	Jersey															

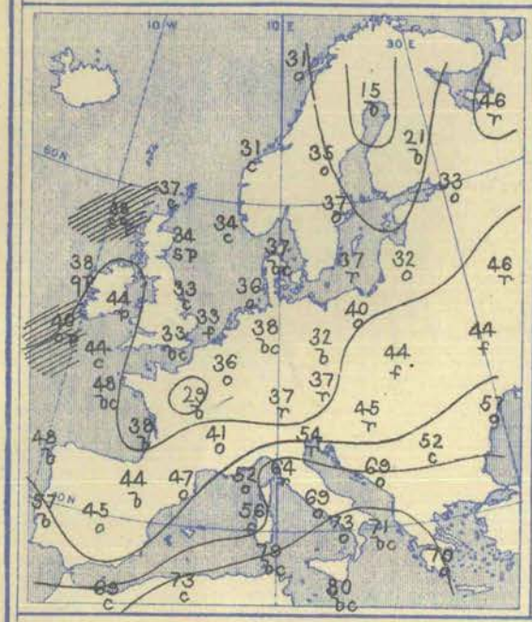
Stations marked $ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

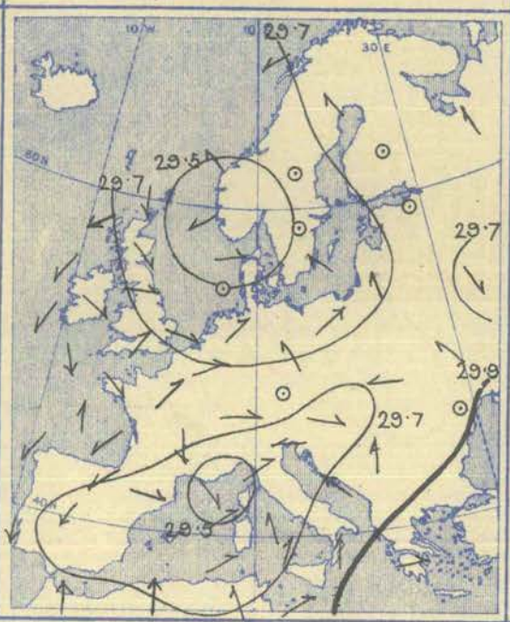
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 27th October.

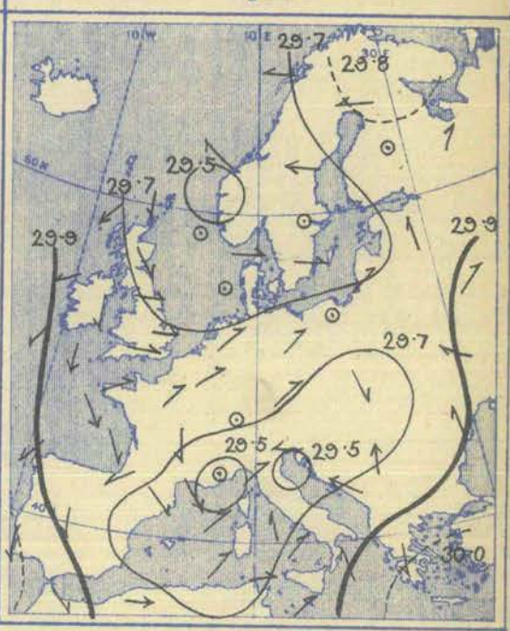
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of France and central Europe, as well as over the north of Finland and some parts of England; squally with cold showers (snow and cold rain) over Scotland and Ireland, dull and rainy over Austria, the north of Italy, and the Riviera. Rain, hail, and snow falling later over Ireland, Scotland, and Sweden, and heavy falls of rain locally over the Straits of Dover, showers over France generally. Thunderstorms occurring over the English Channel.

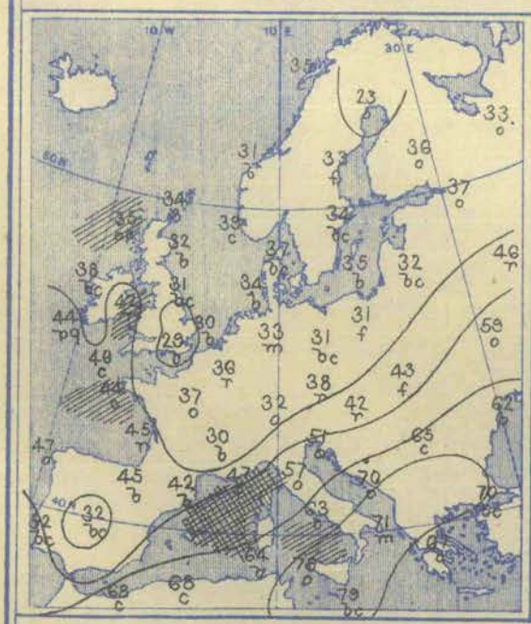
Temperature fallen over France, risen a little over England. Morning readings as high as 80° at Malta and Sfax, 73° at Algiers, Cagliari, and Naples; much lower (49° to 52°) on the south coast of France. Lowest, 15° at Uleaborg, 21° at Kuopio, 29° at Cambridge, 31° at Parsonstown, as well as at Christiansund and Bodö, 29° at Paris, 32° at Lyons and Berlin. Not touching 50° at any of our own stations later, but reaching 63° at Nice.

Wind extremely variable (1) Northerly in Scotland; Westerly over the eastern parts of England South-Westerly over north Germany and the Baltic; Southerly over Finland; Easterly over Lapland; (2) Northerly all over Ireland, the west of France, and Spain, but Southerly and strong over Algeria; South-Westerly over Corsica, Sardinia, and Italy; Easterly at Trieste. Light and anticyclonic over central Europe; no great change later.

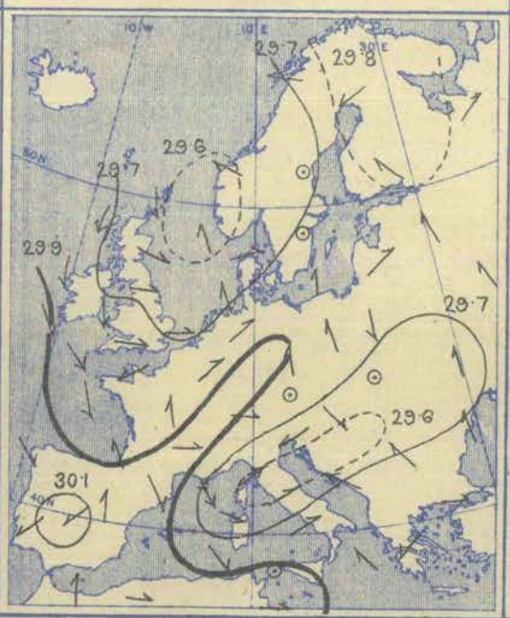
Barometer highest, 29·8 ins. and more (1) over Ireland, the Bay of Biscay, and Portugal, and apparently still higher over the adjacent parts of the Atlantic; (2) over Finland and parts of Lapland; (3) over central and southern parts of Algeria. Lowest, (1) below 29·4 ins. in a shallow depression over the south of Norway and the North Sea, and (2) below 29·5 ins. in a deeper system over the Riviera, Corsica, and neighbouring parts of the Mediterranean. Latter system more complex later, former moving northwards.

Monday, 28th October.

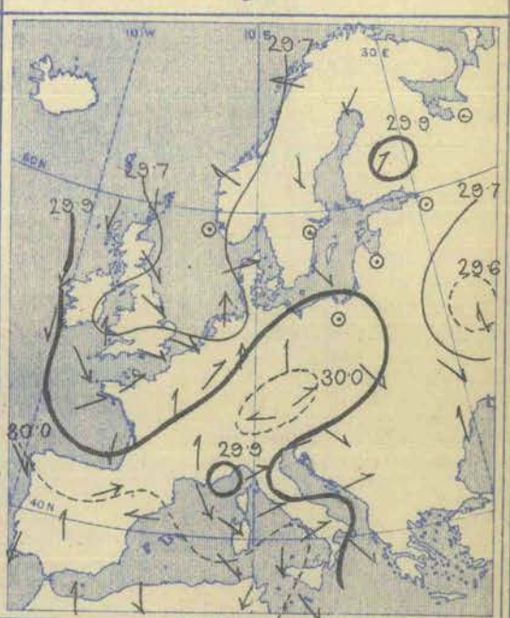
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair in most places, but foggy or hazy in many, and unsettled in a few; snow showers reported in the north-east of Scotland, hail at Malin Head, rain at the Helder. Rain, hail, or snow showers falling over many parts of the Kingdom later (heavily at Jersey and on parts of the north and west coasts of France), thunderstorms very prevalent in the south-west and south-east, and over the extreme north-east of Germany.

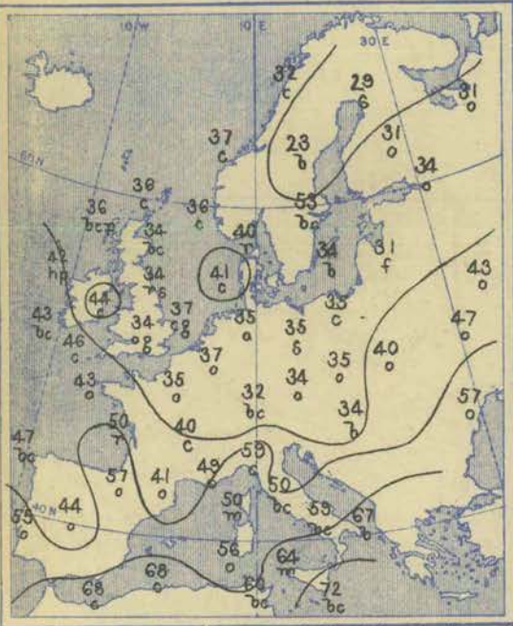
Temperature risen fast over the south of Russia and also over Finland. Morning readings highest, 79° at Malta, 75° at Palermo, 70° at Constantinople, 65° at Hermanstadt, 62° at Odessa. Lowest, (1) 23° at Haparanda, 26° at Helsingfors, 33° at Hernösand; (2) 26° at Wick, 27° at York and Cambridge, 28° at Oxford, 34° at Parsonstown; (3) 24° at Belfort, 30° at Limoges, 31° at Berlin, 32° at Wiesbaden. Rising later to between 45° and 50° over the British Islands, and reaching 52° at Brest, 61° at Biarritz, and 63° at Perpignan, to between 77° and 90° over Algeria, and to 96° at Cagliari and Palermo.

Wind Northerly to North-Westerly in direction, and moderate to strong in force on our west and south-west coasts generally, but Westerly over the south-east of England, and light over the Baltic, Germany, and the north-east of France; South-Easterly over Finland; blowing a gale from North-West at Toulon, a strong breeze from South-West over Italy, and an Easterly breeze at Trieste. Very little change over our Islands and north-western Europe later.

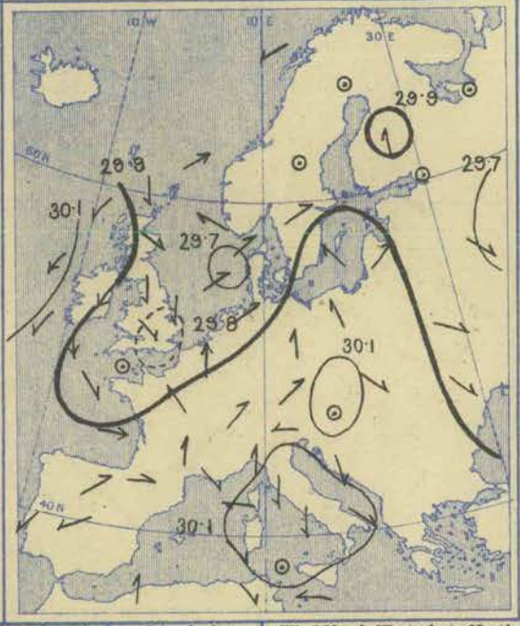
Barometer highest, (1) 30·1 ins. and more to 29·9 ins. over the Spanish Peninsula and Bay of Biscay, and exceeding 30·0 ins. in a ridge stretching north-eastwards across central France; (2) 30·0 ins. and more to 29·9 ins. over Asia Minor, Greece, and Turkey in Europe; (3) 29·8 ins. and more over Finland and Lapland. Lowest, below 29·6 ins. in a shallow depression over the west of Norway, and in a deeper system over the Riviera, and north of Italy and Croatia. Small shallow disturbances being developed over our Islands and their neighbourhood later, but barometer rising decidedly on our Atlantic coasts.

Tuesday, 29th October.

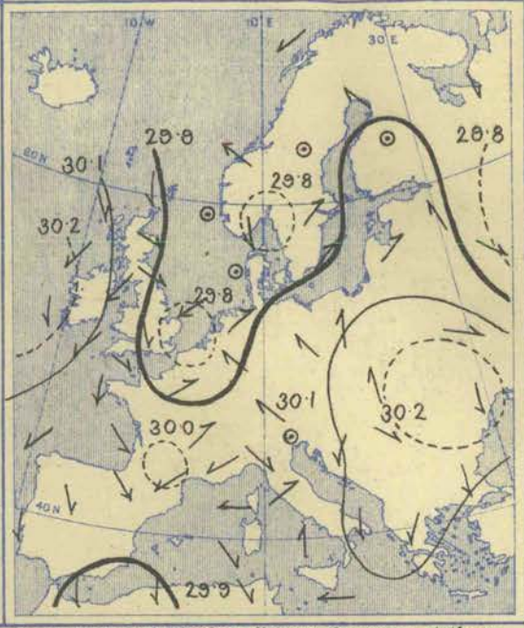
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at most of the stations in the north and west of our Islands, but showery and unsettled locally in a few places, dull and unsettled over France and the eastern shores of the North Sea, with rain in several places, fine over Austria and Italy. Cold showers falling later in parts of all the northern and western countries, snow and hail in places, rain over France, Germany, and the north of Italy, thunder and lightning again very prevalent in the Channel Islands, and in the south-west of France.

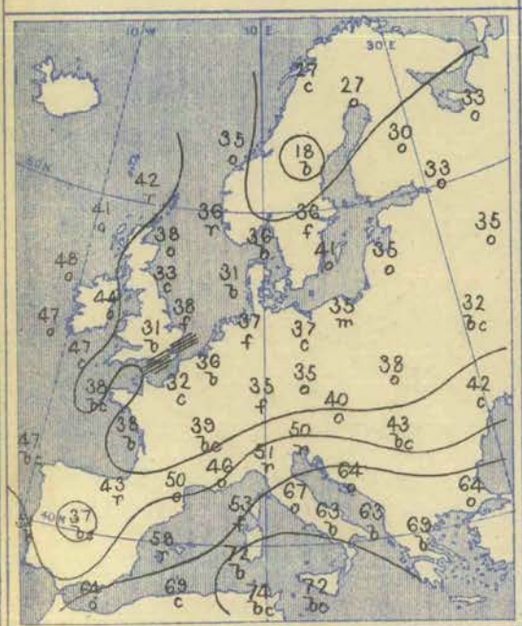
Temperature risen somewhat over the British Islands and France. Morning readings highest, 72° at Malta, 68° at Oran and Algiers, 67° at Brindisi, 59° at Odessa, 56° at Kharkov, and 55° at Lisbon. Below 50° over the greater part of Europe, and lowest, (1) 23° at Hernösand, 28° at Haparanda, 30° at Helsingfors; (2) 28° at York, 29° at Parsonstown, 31° at Cambridge; (3) 31° at Vienna, 34° at Buda Pesth, 35° at Paris. Rising later to between 45° and 47° at our western coast stations, but to only 41° in London, and 42° at Paris; not touching 60° even at Biarritz, but touching 85° at Cagliari.

Wind North-Westerly to Northerly over the United Kingdom; light at the eastern stations; moderate to fresh in the west; North-Westerly fresh over Brittany; Southerly light over the Netherlands and Germany, variable over Russia. Becoming very strong and squally on the south-east coast of England and in the Straits of Dover towards evening; no great change elsewhere.

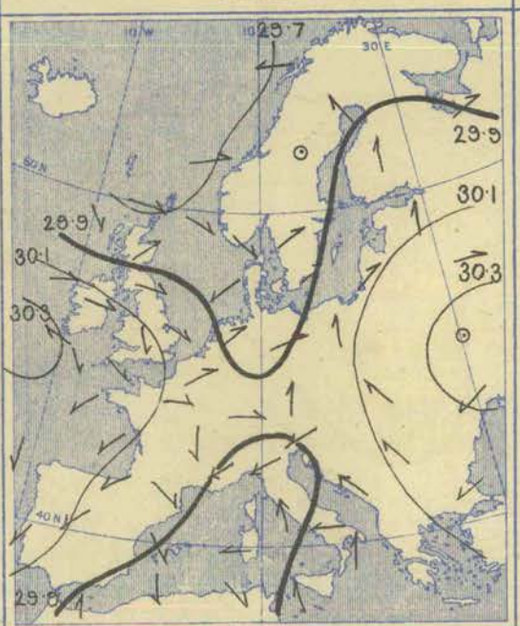
Barometer highest, 30·24 ins. at Ponta Delgada (Azores), and 30·1 ins. and more (1) off the west of Ireland, and (2) over Austria-Hungary. Lowest, 29·7 ins. and less in three small depressions, one off the north-west coast of Norway, another over Denmark, and a third over Holland and the south-east of England. Rising in our Islands later, but falling a little over Holland.

Wednesday, 30th October.

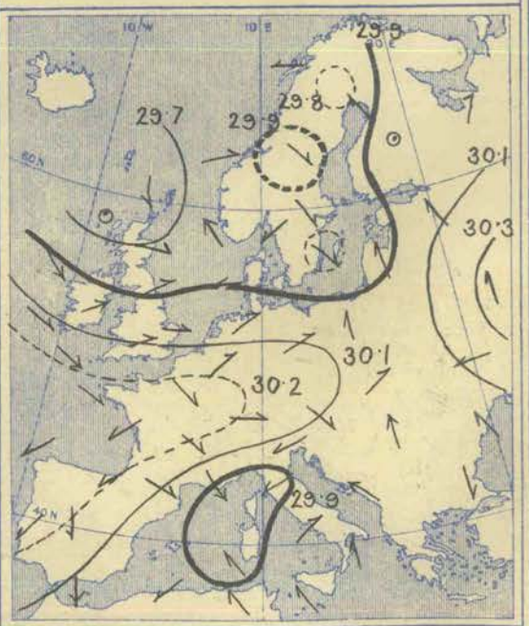
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Portugal and the Bay of Biscay, as well as over south-eastern Europe, the Black Sea, and some parts of England. Very changeable, however, as a whole, both over the United Kingdom and the greater part of the Continent, with rain in several places, and apparently a heavy fall over northern Italy. Rain falling later in almost all parts of the British Islands and north-western Europe—amounts rather large at Hurst Castle and Beimullet. Heavy rain and thunderstorms over Algeria. Halos seen in several parts of England.

Temperature rising over Ireland, Scotland, and the Shetlands, as well as over Austria, falling over France and the southern parts of England. Morning readings highest, 74° at Sfax, 72° at Malta, and above 60° on the southern and eastern shores of the Mediterranean as a whole. Lowest, (1) 18° at Hernösand, 27° at Haparanda, 29° at Swinemünde, 31° at Cracow; (2) 30° at Loughborough and Oxford, 31° in London, 32° at Paris and Belfort. The increasing temperature in the extreme north-west spreading south-eastwards over England later.

Wind North-Westerly to Westerly over the British Islands, and blowing strongly in the north of Ireland; Southerly to South-Easterly over north Germany and the Baltic; South-Westerly over Finland; Easterly over Lapland; South-Easterly to Easterly over Italy and the Riviera; North-Easterly over Spain. Shifting to the Westward all over England later, but veering to North-West in Ireland.

Barometer highest, 30·3 ins. and more to 30·1 ins. (1) over the west of our Islands, France, and the Bay of Biscay; (2) over the southern half of Russia, the Black Sea, and part of the Balkan Peninsula. Lowest, 29·7 ins. and less over Caithness, the Shetlands, and all neighbouring parts of the Atlantic; below 29·9 ins. over the western parts of north Germany, and below 29·9 ins. over the Mediterranean and north of Italy. The northern low-pressure area moving southwards later, and spreading over the North Sea and England.

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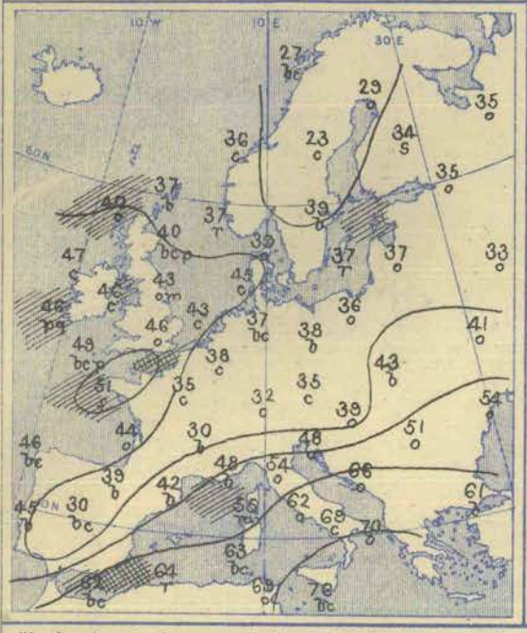
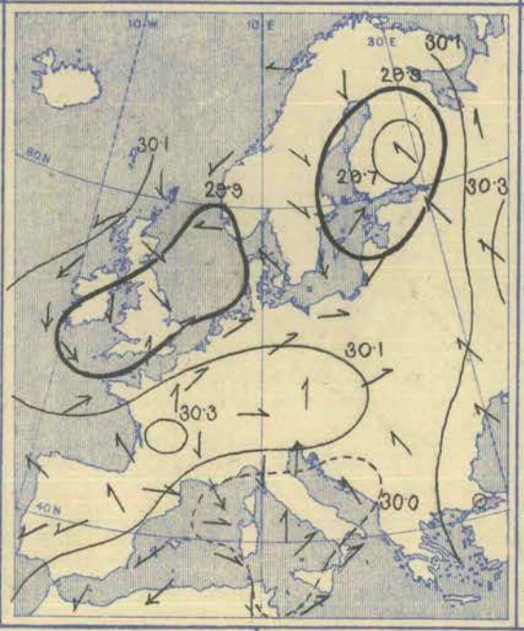
Thursday, 31st October.

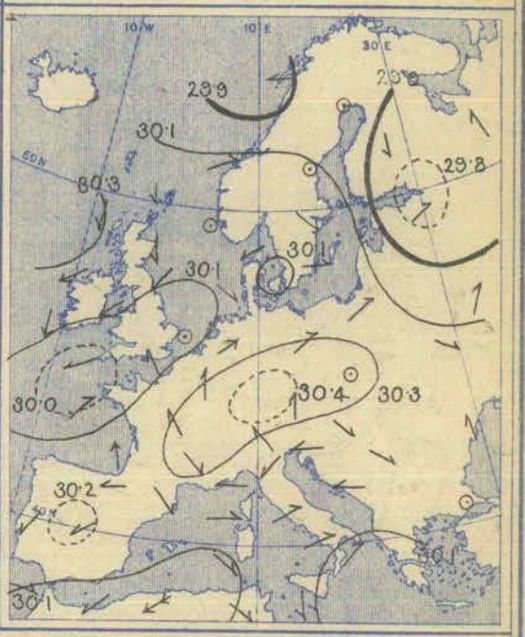
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning exceedingly variable in different regions; (1) fine generally over the Mediterranean and the southern parts of Europe, as well as over many parts of Scandinavia, the Shetland Islands, and some parts of north Germany; (2) dull and very unsettled over England and the north of France; over Finland and the north of Russia, with rain or wet snow in many places. Considerable falls of rain later over the west and south of our Islands, Holland, and the north of France, a thunderstorm occurring at Roche's Point.

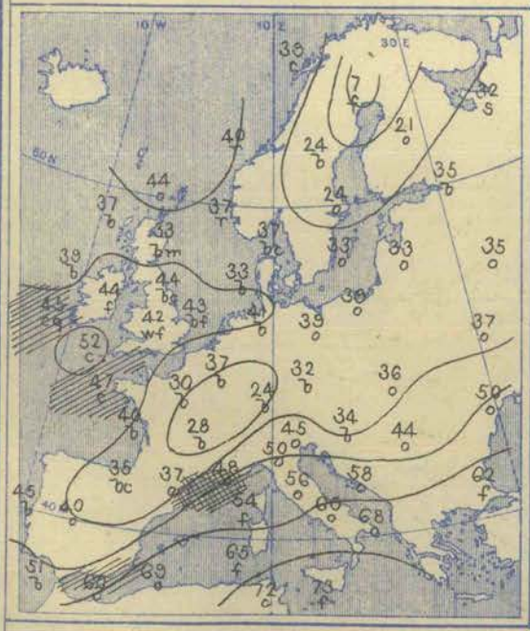
Temperature risen very quickly over England, and considerably over Hungary and the south of Russia. Morning readings highest, 76° at Malta, 70° at Brindisi, and above 60° on the southern side of the Mediterranean generally; 51° at Brest and Jersey, 49° at Scilly and Dungeness. Lowest, 23° at Hernösand, 28° at Faerder, 33° at Warsaw and Breslau; 30° at Lyons and Le Mans, 32° at Belfort. Rising later to between 50° and 54° over the southern parts of our Islands and in France, but falling again in Scotland towards night.

Wind light and anticyclonic over south-western and central Europe, as well as over Norway and Sweden; South-Westerly and strong over the English Channel, and also in the Gulf of Finland, but North-Easterly, a moderate gale, in Ireland, and Northerly moderate in Scotland, Easterly at Bodö. The North-Easterly wind in the west spreading gradually over the north of England later, and the South-Westerly wind over the Channel falling moderate.

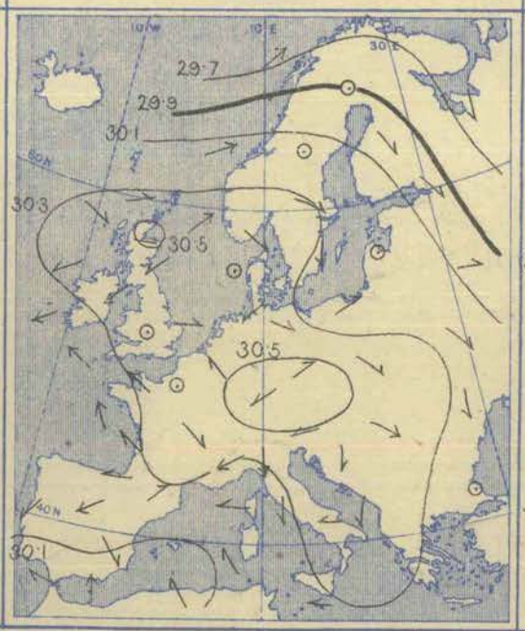
Barometer highest, (1) 30·3 ins. and more to 30·1 ins. in an elongated anticyclone stretching from the Atlantic across the northern half of the Peninsula to France and Germany; (2) exceeding 30·0 ins. over the Shetlands and north of Scotland. Lowest, 29·6 ins. and less to 29·9 ins. in a depression over Finland and the Baltic provinces; below 29·9 ins. in a shallow but complex system lying over England and the North Sea, and in a similar system over the Adriatic, Italy, and the Mediterranean. Rising fast over the British Islands during the day.

Friday, 1st November.

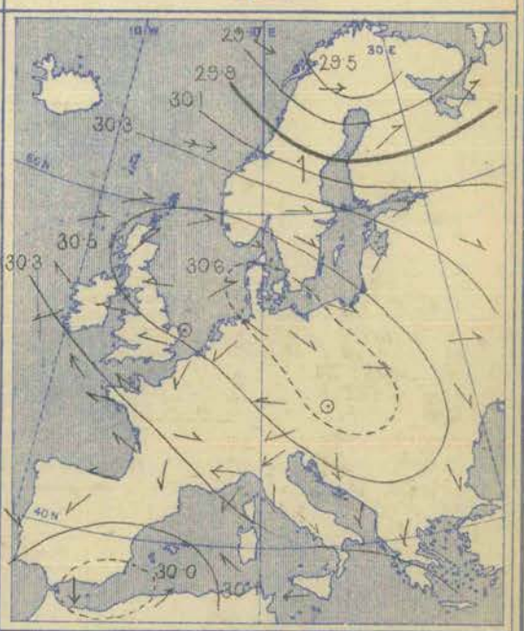
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over Portugal, the north of Spain, central Europe, the North Sea, Scotland, and Ireland, foggy and damp over England, dull and rainy over northern Europe as a whole, with snow at Archangel, rainy over the south of France, and unsettled over Italy, foggy at Sanguinaire and Cagliari. Heavy rain later in the south-west and south of France (nearly 4 ins. at Cape Béarn), and a considerable quantity at Bodö, also very little in our Islands—none at most stations, but a good deal of damp haze reported.

Temperature fallen somewhat over central and south-eastern Europe, fallen rapidly over Finland. Morning readings highest, 73° at Malta, 72° at Sfax, but below 70° elsewhere, 68° at Brindisi, 54° at Lorient, 52° at Scilly. Lowest, (1) 7° at Uleaborg, 21° at Kuopio, 24° at Hernösand and Stockholm; (2) 24° at Munich, 28° at Lyons and Wiesbaden, 30° at Paris, 32° at Prague. Rising later to between 50° and 56° over Ireland and England, to nearly 60° in the south-west of France, to 68° in the south of Italy, and to between 75° and 80° over Algeria.

Wind (1) light and anticyclonic over central Europe, the North Sea, and nearly the whole of Great Britain; (2) South-Westerly, a moderate gale, over the northern parts of Norway, but North-Westerly light over Finland and northern Russia; (3) South-Easterly to Easterly, moderate, on the west coasts of France and the south-western coasts of our Islands. Gale in Norway veering westwards later, and blowing more strongly at Christiansund; little change elsewhere.

Barometer highest, 30·5 ins. and more to 30·3 ins. in an anticyclone of irregular form covering the whole of central Europe, and the eastern and northern parts of the British Islands. Lowest, (1) below 29·7 ins. in a depression approaching Lapland from the westward; (2) below 29·9 ins. in another over Algeria, and below 30·2 ins. over the Bay of Biscay. Northern depression moving south-eastwards later, and growing deeper; little change elsewhere.

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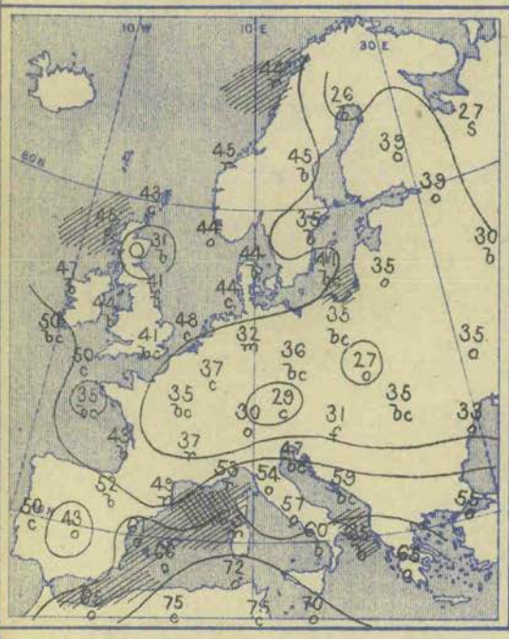
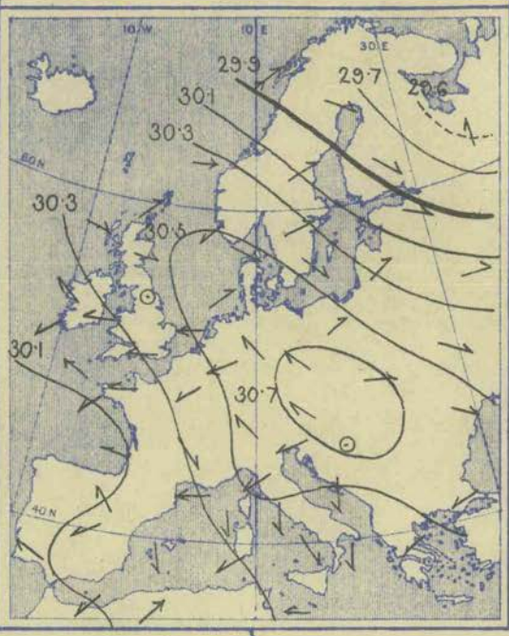
Saturday, 2nd November.

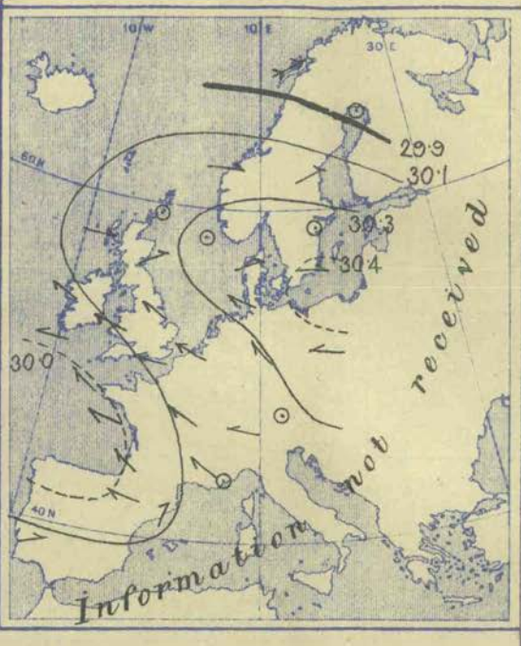
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the British Islands, the North Sea, the Baltic, and central Europe, but foggy in many places; cloudy and very unsettled over France, with rain at several stations, unsettled over northern Russia, with snow at Archangel. Much rain falling over the southern parts of France later (3·4 ins. at Lyons), and a large quantity at Christiansund, none at the British Islands stations.

Temperature risen fast over France and some parts of the Mediterranean, also over Lapland and Scandinavia, fallen a little over Great Britain, especially at some of the inland Scotch stations. Highest, 75° at Sfax and Aumale, 72° at Cagliari, 65° at Brindisi, 61° at Barcelona. Lowest, (1) 24° at Nairn, 31° at Aberdeen, 34° at Wick; (2) 26° at Haparanda, 27° at Archangel, 30° at Moscow; (3) 27° at Warsaw, 28° at Buda Pesth, 29° at Prague. Rising later to 50° and more over Ireland and England, to 61° at Nice and Lisbon, and to 70° at Biarritz.

Wind (1) light and anticyclonic over central Europe and the North Sea; (2) Easterly to South-Easterly over the British Islands and north of France, but South-Westerly to Westerly over northern Europe, and blowing a gale over the northern half of Norway; (3) Easterly over the south of France; Northerly over Italy, but South-Westerly to South-Easterly over Algeria and the south of Spain. Little change later.

Barometer highest, 30·7 ins. and more to 30·5 ins. over central and south-eastern Europe, Denmark, and the eastern half of the North Sea. Lowest, below 29·6 ins. over the White Sea (gradients steep over northern Europe), and below 30·0 ins. over the Bay of Biscay. Falling rather decidedly over the whole of the British Isles and western Europe later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was high over the Atlantic on the one hand, and over Asia Minor and south-eastern Europe on the other, while it was lowest in some shallow depressions which lay over Scandinavia, the North Sea, and England. The winds were Northerly, and the weather cold. No important change occurred until Tuesday, when the depressions just named began to fill up, a new one then spread over the United Kingdom and North Sea from the northward. The cold weather which had prevailed for some days at once broke up, and the wind became South-Westerly instead of Northerly, while mild showers took the place of the snow and hail which had previously prevailed.

The new depression was shallow, and moved south-eastwards quickly, but, although it was succeeded immediately by a new anticyclonic system and North-Easterly winds, the temperature did not return to nearly so low a level over England as a whole, as that prevailing before the depression from the northward had come on.

On Friday and Saturday, an anticyclonic system of considerable intensity (maximum 30·7 ins. and more) covered the whole of central Europe and the North Sea, while low pressure areas appeared over northern Russia, and some very shallow depressions over the Bay of Biscay. The weather over the United Kingdom and central Europe cleared up for a time, but indications of more considerable disturbances than those recently experienced were beginning to appear in the west.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 260.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	18·6	?	29	?	EASTBOURNE	34·0	?	51	?
OSWALDKIRK (Yorkshire)	25·3	?	33	?	MANCHESTER (Oldham Road)	0·0*	?	0*	?
WORKSOP	17·3	+ 1·7	26	+ 2	TENBY		?		?
THURCASTON (Leicestershire)	12·7	− 3·3	19·	− 5	NEWQUAY	30·0	?	44	?
MARGATE	24·1	?	36	?	TORQUAY	18·7*	?	28*	?
WESTBOURNE (Sussex)	22·4*	?	33*	?	ARLEY COTTAGE (County Cavan)	26·1	?	40	?
BRIGHTON	32·0	?	48	?	GUERNSEY	30·5*	?	45*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.: R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 45.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 9TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 266.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	21	48·2	37·9	42·7	0 (average)	26	+ 4	14	+ 1	2081	+279	911*	+309
	1. SCOTLAND, EAST	56	21	47·5	35·9	41·7	0 (average)	15	− 9	25	+ 9	2315	+ 24	1104	+468
	2. ENGLAND, N.E.	58	29	50·9	40·5	45·8	3 above	83	+ 6	4	− 6	2660*	+225	852	+307
	3. ENGLAND, EAST	61	27	54·5	42·3	48·4	4 above	45	+13	0	−12	3000	+166	920	+300
	4. MIDLAND COUNTIES	59	30	52·0	42·9	47·0	4 above	35	+ 5	0	−14	2954	+181	1013	+388
	5. ENGLAND, SOUTH	61	28	56·3	46·2	51·3	6 above	65	+26	0	− 8	3228	+153	812	+355
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	31	49·6	40·4	45·0	1 above	28	0	4	− 5	2500	+129	858	+406
	7. ENGLAND, N.W.	57	32	51·5	41·5	46·6	1 above	34	+ 3	1	− 6	2776	+213	780	+333
	8. ENGLAND, S.W.	62	30	54·6	45·3	50·0	3 above	56	+14	0	− 4	3014	+150	709	+378
	9. IRELAND, NORTH	55	27	49·8	39·9	44·9	1 above	29	− 2	6	− 3	2588	+ 63	698	+302
	10. IRELAND, SOUTH	58	23	53·1	39·5	46·4	0 (average)	41	0	7	+ 1	2840	− 12	544	+235
	—CHANNEL ISLANDS	63	40	58·1	51·2	54·6	5 above	88	+29	0	0	3535	+244	364	+252

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 266.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	14	1 more	202	− 6	40·3	− 2·7	15	+12	26	+19	1049	− 1	29	0
	1. SCOTLAND EAST	5	8	0 (average)	163	− 8	25·8	− 1·5	14	+ 2	24	+ 2	1306	+152	36	+ 4
	2. ENGLAND, N.E.	5	7	0 (average)	160	+ 2	24·8	+ 2·1	12	− 3	19	− 4	1411	+244	35	+ 6
	3 ENGLAND, EAST	6	14	7 more	139	−16	21·3	− 1·2	10	− 7	15	−11	1630	+217	41	+ 5
	4. MIDLAND COUNTIES	6	14	8 more	132	−21	20·3	− 4·6	8	− 7	12	−12	1509	+242	38	+ 7
	5. ENGLAND, SOUTH	7	19	12 more	128	−21	20·2	− 3·5	8	− 9	12	−13	1705	+212	41	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	17	4 more	166	−13	30·3	−13·1	11	− 1	18	− 2	1356	+ 99	33	+ 2
	7. ENGLAND, N.W.	4	6	3 less	151	−15	26·4	− 3·7	6	− 3	10	− 6	1301	+208	36	+ 5
	8. ENGLAND, S.W.	7	24	14 more	139	−33	28·8	− 5·1	7	−10	11	−17	1751	+235	43	+ 6
	9. IRELAND, NORTH	5	10	2 more	181	−13	29·1	− 1·7	17	+ 3	27	+ 3	1277	+143	32	+ 3
	10. IRELAND, SOUTH	6	16	8 more	153	−25	29·7	− 3·6	26	+ 9	41	+14	1416	+ 62	35	+ 1
	—CHANNEL ISLANDS	7	23	13 more	156	−27	24·9	− 3·3	12	− 8	18	−12	1957	+261	51	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was very unsettled in all parts of the Kingdom. Rain fell almost daily, the amounts in many instances being large. The atmosphere was generally mild and humid, and much mist and wet fog prevailed at times. A brilliant display of aurora was observed over Great Britain during the evening of the 9th.

Temperature just equalled the mean in Scotland N. and E. and in Ireland S., but was above it elsewhere; in England E. and the Midland counties the excess was 4°, in the Channel Islands 5°, and in England S. 6°. The highest of the maxima were recorded either on the 6th or 7th, and ranged from 63° in the Channel Islands, 62° in England S.W., and 61° in England E. and S., to 55° in Ireland N. The lowest of the minima were registered, as a rule, on the 3rd, when the thermometer fell to 21° in Scotland N. and E., to 23° in Ireland S., and to between 27° and 32° in nearly all other districts. In the Channel Islands, however, the lowest reading was 40°.

Rainfall was considerably in excess of the mean in most districts, but only just equalled the normal in Scotland E. and England N.E., and was rather less in England N.W., the excess was very large in most parts of England.

Bright Sunshine was much less prevalent than of late over England and the Channel Islands, where the amount recorded was less than the normal. The percentage of the possible duration ranged from 27 to 41 in Ireland, from 18 to 26 in Scotland, and from 10 to 19 over England. In the Channel Islands only 18 per cent. was registered.

Barometer and Wind.—Barometrical pressure over our Islands was in a very unstable condition during the whole of the period. Many shallow depressions passed over different parts of the Kingdom, but in addition to these, a deep and important system appeared off the west of Ireland late on the 4th, and travelling northwards along the west of Scotland, and afterwards north-eastwards to Norway, caused strong gales from between South and South-West over the entire Kingdom. This disturbance was followed by a well-defined but shallow depression which passed over the south of England to the North Sea. By the end of the period the barometer was falling quickly in the west, with increasing and backing winds, and it was evident that another important disturbance was approaching us from the Atlantic.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 265 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	51	36	48·7	39·9	44·3	+ 1·7	25	6	6	0·58	-0·39	*	*	*	*
	Stornoway	51	35	49·4	38·7	44·1	+ 1·4	29	9	5	0·76	-0·32	23·8	+12·0	40	+19
	Wick	54	32	48·9	37·1	43·0	+ 0·7	28	14	4	0·46	-0·24	*	*	*	*
	Glencarron Ⓢ	58	23	45·9	34·8	40·4	- 0·9	11	28	6	2·13	-0·15	*	*	*	*
	Fort Augustus Ⓢ	51	21	47·9	33·4	40·7	- 1·5	17	35	6	1·73	+0·77	8·3	?	14	?
	Fort William Ⓢ	53	26	48·6	38·1	43·4	+ 0·4	26	11	6	2·53	+0·71	13·5	?	23	?
1. SCOTLAND, E.	Nairn	54	21	48·1	32·0	40·1	- 1·9	17	40	5	0·26	-0·24	*	*	*	*
	Aberdeen	56	31	49·6	38·1	43·9	+ 1·1	30	11	5	0·71	-0·02	16·9	+ 1·5	28	+ 2
	Braemar Ⓢ	49	21	43·8	33·9	38·9	- 0·1	5	30	4	0·82	-0·08	9·3†	?†	16†	††
	Ochtertyre Ⓢ	55	32	49·7	38·7	44·2	+ 2·5	29	9	6	2·01	+0·98	*	*	*	*
	Leith	54	34	50·0	39·7	44·9	+ 0·9	30	6	6	0·31	-0·19	*	*	*	*
	Marchmont Ⓢ	47	28	43·6	32·9	38·3	- 3·4	4	33	4	0·65	-0·19	15·5	?	26	?
2. ENGLAND, N.E.	Alnwick Castle	53	31	48·6	38·7	43·7	+ 0·3	26	9	5	0·58	-0·20	*	*	*	*
	Durham	57	29	51·1	38·1	44·6	+ 1·9	35	11	5	0·82	+0·16	17·2	+ 2·4	28	+ 4
	Shields	56	35	51·9	40·7	46·3	+ 2·4	36	4	3	0·31	-0·25	*	*	*	*
	Scarborough Ⓜ	55	36	50·8	41·4	46·1	+ 1·3	31	2	6	0·77	+0·07	*	*	*	*
	York	58	32	52·1	39·7	45·9	+ 2·4	37	6	6	0·62	+0·05	4·6	- 7·8	7	-13
	Spurn Head	56	42	51·1	44·6	47·9	+ 2·9	41	0	7	0·86	+0·31	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	59	29	53·2	42·8	48·0	+ 4·2	42	0	6	1·15	+0·53	7·0	- 7·5	11	-13
	Yarmouth	59	35	53·9	42·9	48·4	+ 3·4	45	0	6	1·26	+0·54	*	*	*	*
	Geldeston	61	27	55·8	42·6	49·2	+ 4·3	50	0	6	1·08	+0·48	11·3	- 6·6	18	-19
	Cambridge	60	27	54·9	40·3	47·6	+ 3·8	46	5	7	1·51	+1·02	11·8	- 5·3	18	-10
	Rothamsted	59	29	54·8	42·7	48·8	+ 5·6	48	0	6	1·78	+1·14	9·1	?	14	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	57	31	51·6	40·1	45·9	+ 2·6	35	5	6	0·71	+0·19	*	*	*	*
	Loughborough	58	38	52·6	43·4	48·0	+ 4·5	42	0	6	1·07	+0·52	*	*	*	*
	Stamford (Ketton Hall)	59	32	52·6	41·6	47·1	+ 3·6	37	1	6	1·40	+0·78	*	*	*	*
	Cheadle Ⓜ	56	38	50·7	41·6	46·2	+ 3·8	31	1	6	1·35	+0·56	*	*	*	*
	Solihull	56	30	50·4	41·0	45·7	+ 2·9	30	3	6	1·24	?	*	*	*	*
	Churchstoke Ⓜ	56	35	50·9	42·4	46·7	+ 3·7	33	0	6	1·22	+0·40	6·0	- 8·0	9	-13
	Hereford Ⓜ	58	36	52·1	42·3	47·2	+ 2·9	36	0	6	1·08	+0·48	*	*	*	*
	Cirencester	57	34	52·3	42·7	47·5	+ 4·5	39	0	7	2·37	+1·19	9·2	- 8·3	14	-11
	Oxford	59	35	54·6	43·1	48·9	+ 4·7	48	0	7	2·03	+1·50	9·3	- 6·5	15	-10
5. ENGLAND, S.	London	61	35	56·1	44·7	50·4	+ 5·3	59	0	6	1·19	+0·68	6·6†	- 4·5†	10†	- 7†
	North Foreland	60	40	56·1	48·0	52·1	+ 6·3	71	0	7	1·34	?	*	*	*	*
	Strathfield Turgiss Ⓜ	60	28	56·4	42·4	49·4	+ 5·4	52	0	7	2·27	+1·69	*	*	*	*
	Dungeness	59	44	56·6	49·9	53·3	+ 6·6	79	0	7	0·94	+0·12	*	*	*	*
	Hastings (St. Leonards)	59	44	56·9	46·8	51·9	+ 5·2	69	0	6	1·52	+0·72	7·9	-11·1	12	-18
	Southampton	59	37	57·1	46·1	51·6	+ 5·6	67	0	7	2·32	+1·63	7·5	- 9·3	12	-13
	Hurst Castle	59	43	56·7	47·7	52·2	+ 5·2	71	0	6	2·14	+1·43	*	*	*	*
	Stowell Ⓜ	58	34	54·2	43·9	49·1	+ 4·8	50	0	7	3·06	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	33	50·5	40·3	45·4	+ 1·9	31	5	5	2·44	+0·44	*	*	*	*
	Glasgow	52	32	47·7	41·2	44·5	+ 1·6	21	2	6	1·67	+0·78	9·5	+ 1·5	16	+ 3
	Ardrossan	52	34	49·0	40·3	44·7	- 0·1	26	5	5	1·15	+0·25	*	*	*	*
	Glenlee Ⓢ	53	31	49·6	38·2	43·9	+ 1·9	29	11	5	2·23	+0·84	*	*	*	*
	Douglas (Isle of Man)	54	36	51·0	42·2	46·6	+ 1·4	32	0	5	0·74	-0·33	12·4	- 3·8	20	- 6
7. ENGLAND, N.W.	Stonyhurst	55	36	49·7	41·5	45·6	+ 1·8	27	1	4	0·74	-0·34	3·5	- 8·5	6	-14
	Blackpool Ⓜ	55	34	51·5	39·4	45·5	+ 0·9	35	7	4	0·55	-0·29	8·3	- 4·1	13	- 7
	Manchester (Prestwich)	57	36	51·8	42·1	47·0	+ 3·3	35	0	3	0·42	-0·48	4·4	?	7	?
	Liverpool Obsy. (Bidston)	57	37	51·3	42·0	46·7	+ 1·7	33	0	3	0·34	-0·39	*	*	*	*
	Llandudno Ⓜ	56	32	52·9	41·7	47·3	+ 0·7	38	1	3	0·55	-0·25	14·8	+ 2·7	33	+ 3
	Holyhead	56	35	52·0	42·3	47·2	- 0·3	36	0	4	1·04	+0·07	*	*	*	*
8. ENGLAND, S.W.	Llandovery	57	30	52·9	40·0	46·5	+ 1·8	40	6	6	2·06	+0·82	*	*	*	*
	Pembroke	57	40	53·4	46·3	49·9	+ 1·8	55	0	6	1·27	+0·37	8·0	- 8·0	13	-13
	Bristol (Montpelier)	59	33	53·2	43·9	48·6	+ 3·6	46	0	6	2·69	+1·92	*	*	*	*
	Arlington (N. Devon)	62	35	56·9	42·4	49·7	+ 4·5	54	0	6	2·84	+1·36	*	*	*	*
	Cullompton Ⓜ	60	33	54·5	44·4	49·5	+ 3·8	53	0	7	2·52	+1·75	0·6	-13·4	1	-20
	Falmouth	58	43	55·3	48·3	52·1	+ 3·4	71	0	7	2·68	+1·40	8·5	-11·0	13	-17
	Plymouth	58	42	55·5	49·0	52·3	+ 4·6	72	0	7	2·93	+2·02	6·4	- 9·4	10	-15
	Prawle Point	57	42	54·9	47·7	51·3	+ 3·5	65	0	7	2·40	+1·64	*	*	*	*
9. IRELAND, N.	Malin Head	53	40	49·7	43·0	46·4	+ 2·2	31	0	5	0·91	?	*	*	*	*
	Londonderry	54	34	50·4	39·6	45·0	+ 0·7	31	7	6	1·16	+0·17	*	*	*	*
	Edenfel (Omagh)	52	35	48·7	39·1	43·9	+ 1·1	25	8	4	0·83	+0·01	*	*	*	*
	Belmullet	53	34	50·3	41·0	45·7	- 2·0	30	3	6	0·77	?	*	*	*	*
	Markree Castle	55	27	50·5	37·5	44·0	0·0	33	13	6	0·73	-0·15	15·1	+ 0·3	24	0
	Brookeborough	55	30	50·9	39·7	45·3	+ 2·5	33	6	5	1·06	+0·09	*	*	*	*
	Armagh	54	30	50·4	39·0	44·7	+ 1·5	32	8	5	0·73	+0·09	18·7	+ 4·7	30	+ 7
	Donaghadee	54	38	51·3	43·6	47·5	+ 2·5	39	0	6	1·79	+1·04	*	*	*	*
	Edgeworthstown	53	34	47·0	36·4	41·7	- 1·9	14	23	5	1·20	+0·42	*	*	*	*
10. IRELAND, S.	Dublin	57	34	52·0	41·9	47·0	+ 1·0	35	0	6	0·97	+0·37	23·8	+ 5·8	38	+ 9
	Parsonstown	56	27	52·6	36·1	44·4	+ 0·1	42	17	6	1·26	+0·60	25·8	+ 9·7	41	+15
	Kilkenny	58	29	53·7	36·7	45·2	- 0·5	45	15	6	1·54	+0·89	*	*	*	*
	Roche's Point	57	35	54·0	42·9	48·5	+ 0·7	46	0	6	1·95	+0·95	*	*	*	*
	Valencia	57	30	54·4	40·7	47·6	- 1·1	45	4	5	1·83	+0·49	27·8	+10·8	43	+18
	Killarney	58	25	54·5	37·7	46·1	- 0·7	47	12	5	2·31	?	*	*	*	*
	Foynes	55	23	50·9	41·0	46·0	+ 0·9	32	3	5	1·34	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	48	57·1	50·9	54·0	+ 3·6	84	0	7	2·25	+1·38	15·3	?	24	?
	Jersey	63	40	59·0	51·4	55·2	+ 6·1	92	0	7	2·30	+1·27	10·7	- 8·6	16	-12

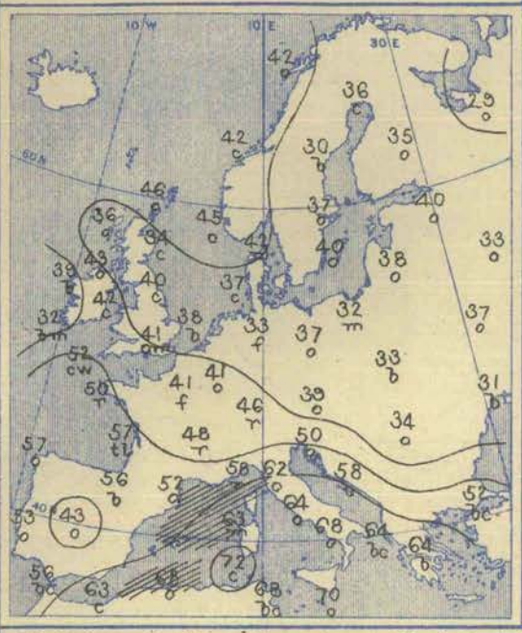
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

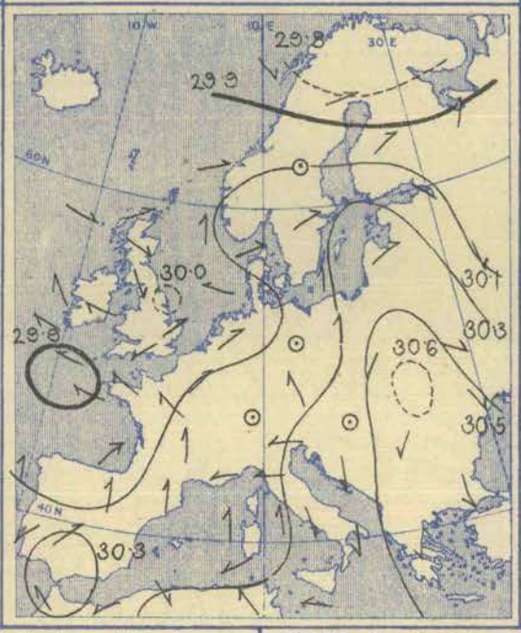
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 3rd November.

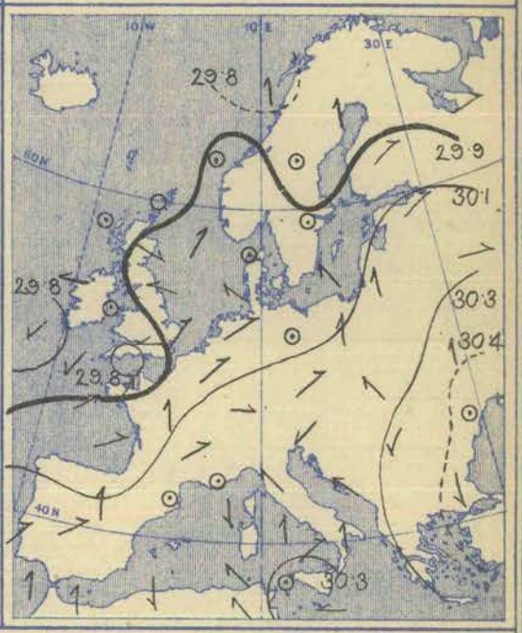
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the greater part of England and the Continent, with fog in many places, and with heavy rain at several of the French stations; thunderstorms reported in the west of France. Fine in Ireland and Scotland, as well as in the north of Sweden and the extreme south of Russia. Improvement taking place later over France, but rain falling over the southern parts of England, as well as in some parts of northern Italy. Thunderstorms occurring in Devonshire and the Channel Islands.

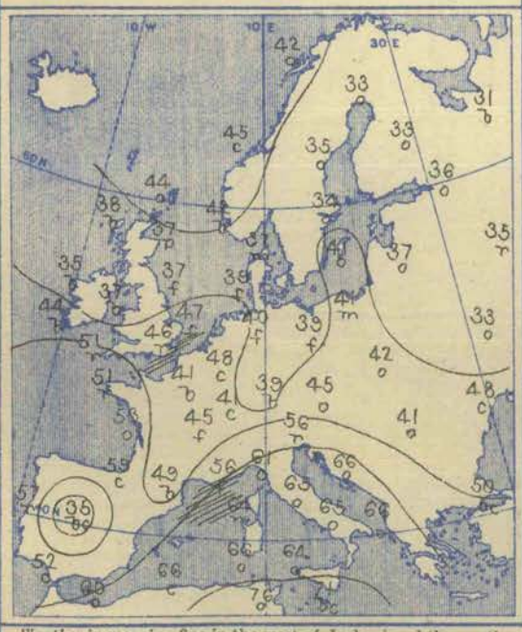
Temperature fallen in our Islands, Scandinavia, and Denmark, but rising in most other countries. Morning readings highest, 72° at Cagliari, 70° at Malta, and 68° at Naples, Algiers, and Sfax; above 60° at the Mediterranean stations generally. Lowest, (1) 25° at Nairn, 32° at Cambridge, and 34° at Wick and Aberdeen; (2) 29° at Archangel and 30° at Hernösand; (3) 32° at Neufahrwasser and Munich. Rising during day to between 50° and 55° over the southern parts of our Islands; exceeding 60° in the west and south of France, and exceeding 70° at many of the French and Italian stations, the highest reading of all being 88° at Cagliari.

Wind light from the Eastward over the western and southern parts of our Islands; variable or light Westerly on our north and east coasts. Moderate to fresh from the Southward over the north of Spain and the western parts of France; South-Easterly over Germany and Denmark. Light from South-West or West over northern Russia, and from the North-Westward over the central and southern parts of that country; Northerly over the south of Italy; variable in Spain. Subsequently veering to the South-Westward in the west of France; no important change occurring elsewhere.

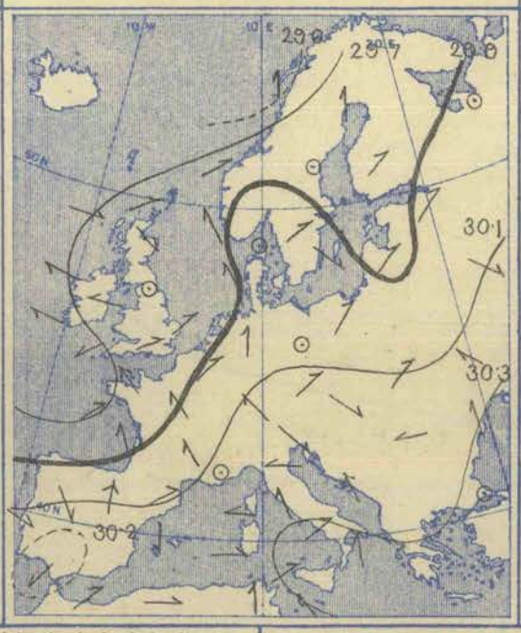
Barometer highest, 30·6 ins. and upwards in the neighbourhood of the Carpathians; 30·2 ins. and upwards in an anticyclone covering the greater part of eastern and southern Europe. Lowest, 29·8 ins. and less over Lapland; 29·9 ins. and less in a shallow depression lying to the south-westward of our Islands; 30·0 ins. and less in a smaller disturbance off the north-east of England. Depression in south-west subsequently becoming very complex, and spreading northwards and eastwards over Ireland and England.

Monday, 4th November.

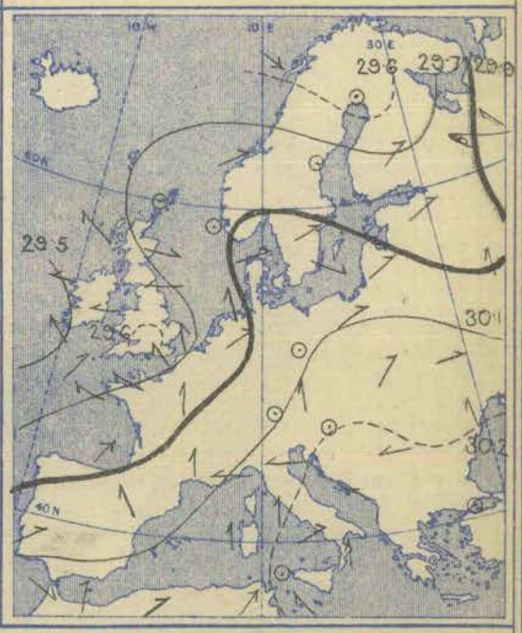
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the west of Ireland and the north of Scotland, cloudy in all other parts of our Islands, and also in the north of France, with fog in many places, and with rain at the Channel stations. Cloudy or dull over the Continent generally, with rain at Moscow, Breslau, and Trieste; fine in Spain and the south of France, and also in the extreme south of Russia. Rain falling later in most parts of western Europe, as well as over northern Italy. Thunderstorms occurring at Memel, Chassiron, and Aumale.

Temperature fallen in Spain and the south of France, as well as at some of the Russian stations, but risen in most other localities. Morning readings highest, 76° at Sfax, 71° at Malta, and 66° at Lesina, Brindisi, Cagliari, Algiers, and Tunis; above 55° over southern Europe generally. Lowest, (1) 27° at Parsonstown, 29° at Nairn, and 34° at Wick; (2) 27° at Kharkov, 30° at Karlstad, and 31° at Archangel; (3) 35° at Madrid. Rising during day to between 50° and 55° over the southern parts of our Islands, and reaching 57° at Jersey; exceeding 60° over the southern parts of France, and exceeding 70° in Italy, the highest reading of all being 77° at Palermo.

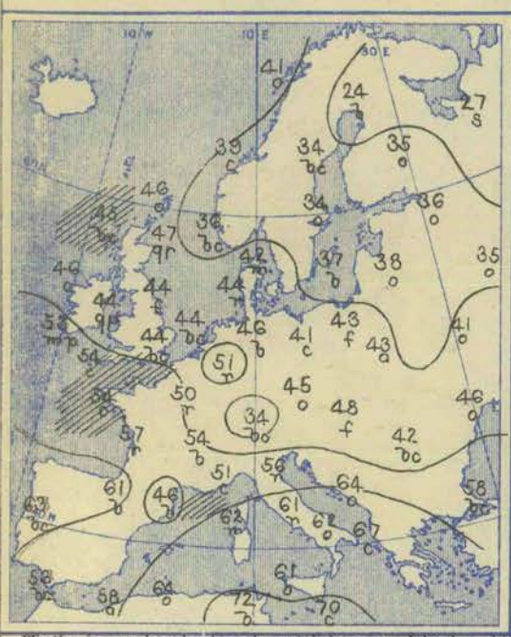
Wind light to fresh from the Southward over France, the Netherlands, and the Straits of Dover, but Easterly on our west and south-west coasts. Calm or variable over the eastern and central parts of England; light from South-West or West in the north of Scotland, and also in Scandinavia and Finland; South-Easterly in the south of Russia; variable in Spain, Italy, and Austria. Subsequently blowing strongly from the Southward or South-Westward over the English Channel, and from the Westward on the west coasts of Norway; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over the greater part of south-eastern Europe; 30·1 ins. and upwards in an anticyclone embracing most of the eastern, central, and southern countries. Lowest, 29·6 ins. and less in a depression off the north-west of Norway; 29·7 ins. and less in another disturbance, having its centre near the mouth of the Channel. Latter disturbance subsequently advancing north-eastwards over England; new depression approaching the west of Ireland in evening, barometer falling over western Europe generally.

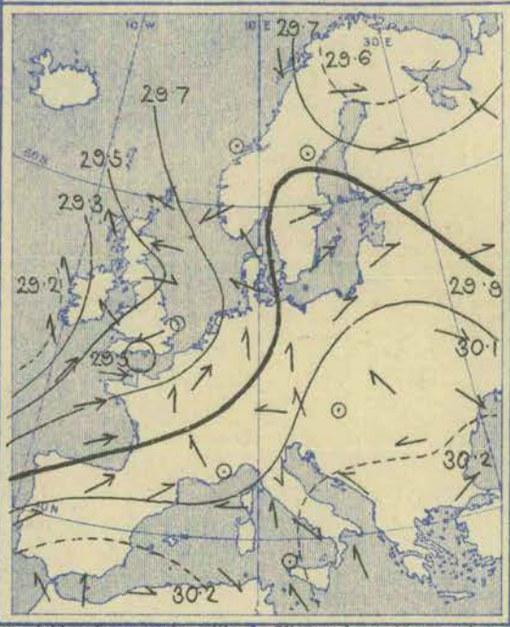
Wyman & Sons, Lt., Lith., 63, Carter Lane.

Tuesday, 5th November.

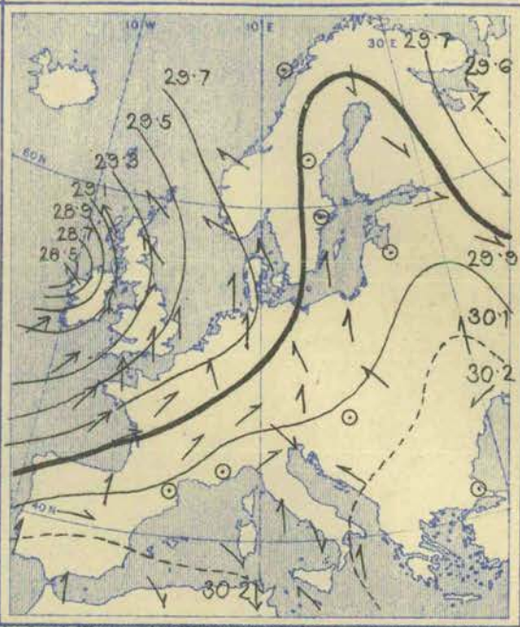
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy and unsettled over our Islands and the neighbouring countries, with rain or passing showers in many places, and with fog at some of our eastern and south-eastern stations. Fine in Sweden, and also in Spain and the south of France, but dull in most other parts of the Continent, with fog in Austria, rain in northern Italy, and snow at Archangel. Rain falling later over the whole of north-western Europe—heavily at many of our own western and southern stations. Lunar halo seen at Jersey and also at Toulouse.

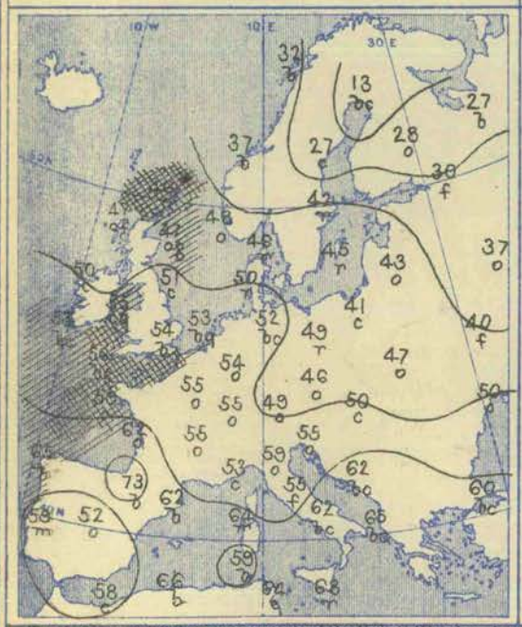
Temperature risen generally, but fallen a little in Scandinavia, and also in Italy. Morning readings highest, 72° at Tunis and Sfax, 70° at Malta, and 67° at Brindisi; above 60° at most of the Mediterranean stations, and above 55° in the west of France. Lowest, (1) 24° at Haparanda, 27° at Archangel, 31° at Uleaborg, and 34° at Hernösand; (2) 34° at Munich. Rising during day to 50° and upwards over the northern parts of our Islands generally, to 55° and upwards in the south, and to 61° at Jersey. Exceeding 60° at many of the French stations, and exceeding 70° over Spain and southern Italy. Succeeding night very warm over England.

Wind moderate to strong from the South-Westward or Westward over Spain, the west of France, and the greater part of the English Channel; calm or variable over the eastern and central parts of England; fresh from the Southward or South-Eastward on our western and extreme northern coasts; light from the Eastward on the eastern shores of the North Sea. Light from the Southward over Germany and central France; variable in Italy, calm in Austria; Westerly in Russia. Subsequently increasing in force over the whole of the United Kingdom, and blowing a gale in evening or night from the Southward or South-Westward.

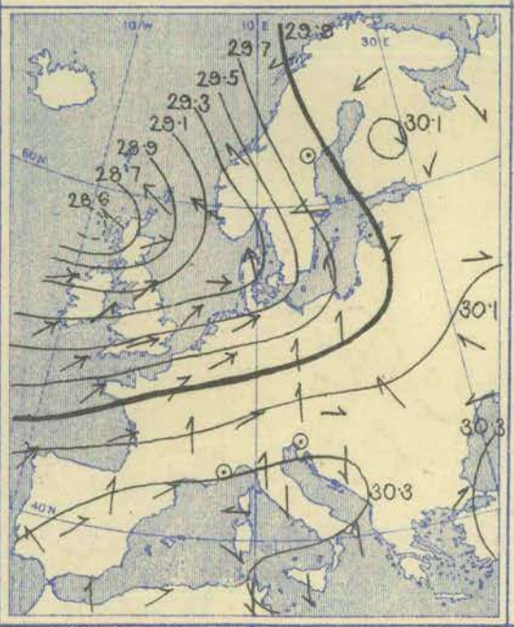
Barometer highest, 30·2 ins. and upwards in Algeria and the south of Spain, as well as in another area covering the whole of south-eastern Europe. Lowest, 29·2 ins. and less in a depression off the west of Ireland; 29·5 ins. and less in a small secondary system near the Isle of Wight, and also in a larger disturbance over Lapland. Depression to the westward of our Islands afterwards advancing quickly towards our extreme north-west coasts, barometer at Belmullet falling to a minimum of 28·47 ins. at 6 p.m. New secondary disturbance passing rapidly north-eastwards across England.

Wednesday, 6th November.

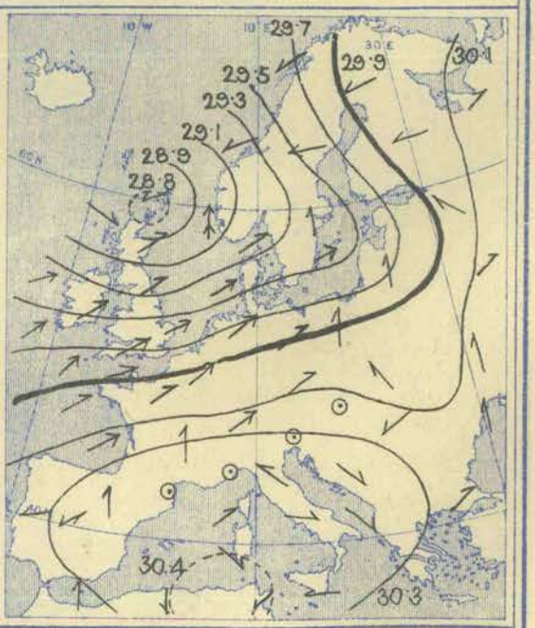
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine in many parts of the United Kingdom, but showery at some of the Channel stations, and rainy on our extreme north-west coasts, as well as in the Shetlands. Fine over the greater part of southern Europe, and also over the northern parts of Scandinavia and Russia, dull over the more central countries, with rain in Denmark, Germany, and the south of Sweden. Showers falling during day in several parts of our Islands, and steady rain setting in at night over the south of England and the north of France; heavy rain falling in Denmark, with a thunderstorm at Fanö.

Temperature risen over western and central Europe, but fallen elsewhere. Morning readings highest, 73° at Bilbao, 68° at Malta, 66° at Algiers, and 65° at Corunna and Brindisi; above 60° in the west of France, and above 55° over the English Channel. Lowest, 13° at Haparanda, 15° at Uleaborg, and 27° at Archangel and Hernösand. Rising during day to 55° and upwards at nearly all the English and Irish stations, and reaching 61° in London. Exceeding 65° in the south of France, and exceeding 70° over Spain and southern Italy, the highest reading of all being 86° at Cagliari.

Wind strong to a gale from the South-Westward over Ireland, England, the Netherlands, and the north of France, and light from the same quarter over the central and southern parts of France. Moderate from the Southward over Germany and the Baltic; but Easterly or South-Easterly over Scandinavia and the north of Scotland, with a gale at Skudesnaes and Sumburgh Head. Light and variable over Russia, Austria, and Italy. Subsequently shifting to the Westward in the north of Scotland; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards in an anticyclone extending from Spain and Algeria to central Italy, and also in another system over the Black Sea and the south of Russia. Lowest, 28·6 ins. and less in a deep depression having its centre over the southern Hebrides; gradients steep over north-western Europe generally. Depression subsequently passing on to the north-east of Scotland, and barometer rising in all parts of our Islands and France.

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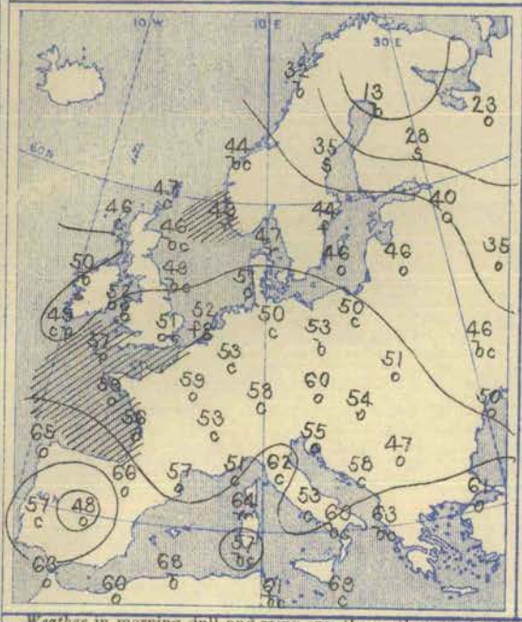
Thursday, 7th November.

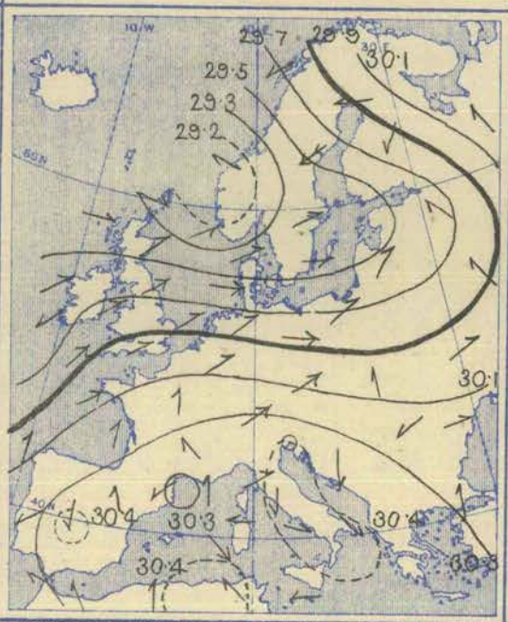
Temperature and Weather. 8 a.m.

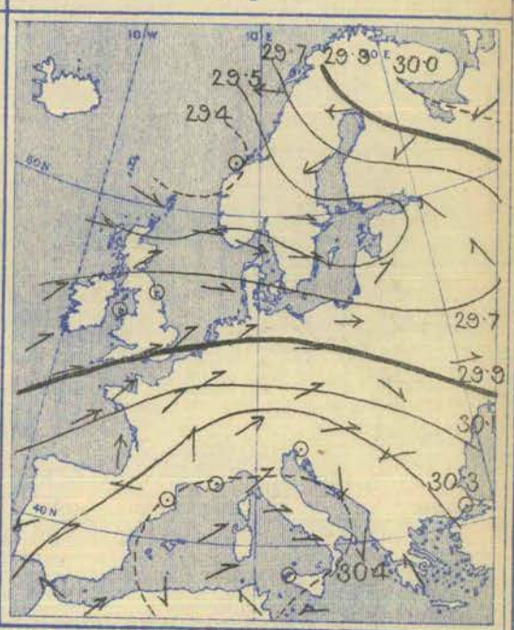


Weather in morning dull and rainy over the southern parts of our Islands, and showery on our extreme north-west coasts, but fair or fine over the northern districts generally. Cloudy or dull over the greater part of the Continent, with rain at Skudesnaes and the Scaw, and snow at Hernösand and Kuopio. Fine in the west of Norway, and also over southern Italy. Rain falling during day in most parts of north-western Europe—heavily over the northern parts of France and Germany. Lunar halo seen at Valencia (Ireland), and lunar rainbows at Stornoway and Nairn.

Temperature fallen a little in most parts of western and southern Europe, but risen in most other localities. Morning readings highest, 69° at Malta, 68° at Algiers, 67° at Bilbao, and 66° at Biarritz; above 55° at all the English Channel stations. Lowest, 13° at Uleaborg, 14° at Haparanda, 23° at Archangel, and 28° at Kuopio; below 40° over the greater part of Russia and Scandinavia. Rising during day to 55° and upwards in many parts of Great Britain, and reaching 60° in London and at the North Foreland, and 63° at Jersey. Exceeding 65° at some of the southern French stations, and exceeding 70° over the southern parts of France and Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



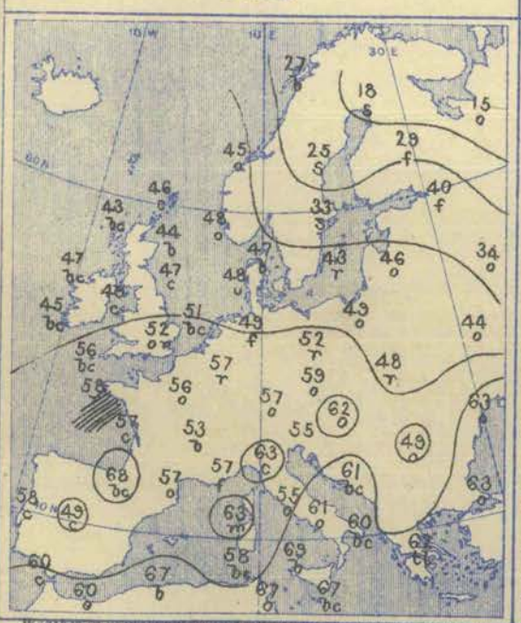


Wind South-Westerly over the greater part of our Islands, the Netherlands, and central Europe, moderate in force generally, but strong in the western parts of the English Channel. Light from the Westward in the north of Scotland, and strong from the same quarter on the eastern shores of the North Sea; Easterly or North-Easterly over Finland and the northern parts of Scandinavia, with a gale at Hernösand. Southerly in France; Easterly on the Portuguese coasts; Northerly or North-Westerly in Italy; variable in Austria. Wind subsiding later in Channel; no decided change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards over Italy, and also over Tunis and eastern Algeria; 30·1 ins. and upwards in an anticyclone covering all the more southern parts of the Continent; 30·0 ins. and upwards over northern Russia. Lowest, 29·2 ins. and less in a well-marked depression over the south-west of Norway; 29·7 ins. and less in a small and very shallow system off the south of Ireland. Former depression subsequently beginning to disperse; latter disturbance advancing over Wales.

Friday, 8th November.

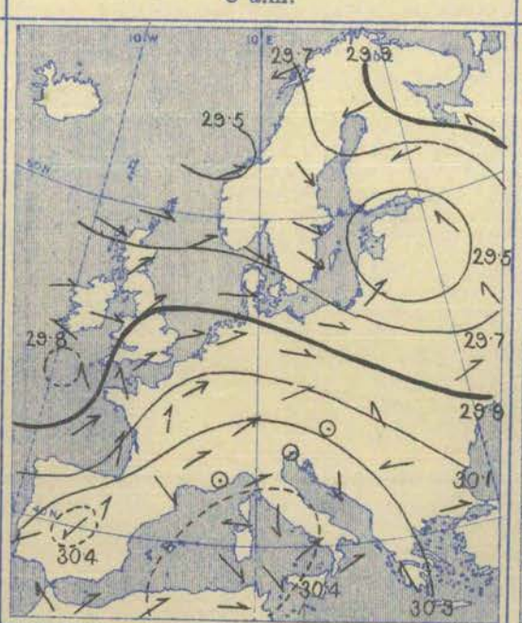
Temperature and Weather. 8 a.m.

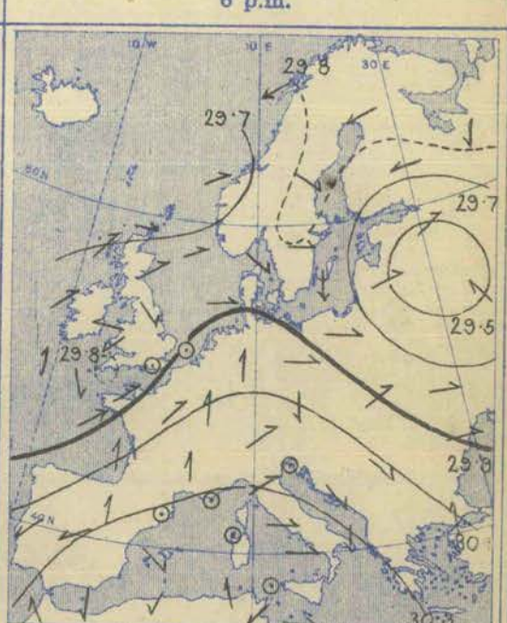


Weather in morning dull and rainy over the south of England, Belgium, and the north of France, with fog in places, fair over the northern parts of our Islands generally, but showery at Malin Head. Fine in Denmark, and also in the southern parts of France and Italy, but dull in most other parts of the Continent, with fog in Finland, rain at Berlin, Cracow, and Lemberg, and snow at most of the Swedish stations. Thunderstorm reported at Patras. Rain falling later in most parts of western Europe—heavily in the Channel Islands and the north of France. Snow reported at Moscow and Kuopio.

Temperature changed irregularly in the southern countries, but fallen elsewhere. Morning readings highest, 72° at Bilbao, 69° at Palermo, and 68° at Biarritz; above 60° at the Mediterranean stations generally, and above 55° over France, Germany, and the English Channel. Lowest, 15° at Archangel, 18° at Haparanda, 25° at Uleaborg and Hernösand, and 27° at Bodö. Rising during day to 55° and upwards at most of our central and southern stations, and reaching 61° at Jersey. Exceeding 70° in Spain and the southern parts of France and Italy, and reaching 82° at Oporto.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind light from the Southward over the south of England and the west and north of France, and from between East and North in the south of Ireland. Light from the South-Westward or Westward over all the more northern parts of our Islands; moderate Westerly over Denmark and Austria. Strong from the North-Westward in Sweden; South-Easterly over central Russia; Easterly over Finland and the north of Scandinavia. Variable in Austria and Italy; Easterly or North-Easterly over the Spanish Peninsula. Well-marked cyclonic circulation appearing later over the south-western parts of Great Britain.

Barometer highest, 30·4 ins. and upwards over central Spain, and also over Algeria, Sardinia, and central Italy; 30·2 ins. and upwards in an anticyclone embracing the whole of southern Europe. Lowest, 29·4 ins. and less in a depression over the Baltic provinces; 29·5 ins. and less in another disturbance off the west of Norway; 29·8 ins. and less in a small shallow system off our own extreme south-west coasts. Depression in south-west subsequently advancing in an east-north-easterly direction over the south of England; new disturbance beginning to approach our western coasts in evening

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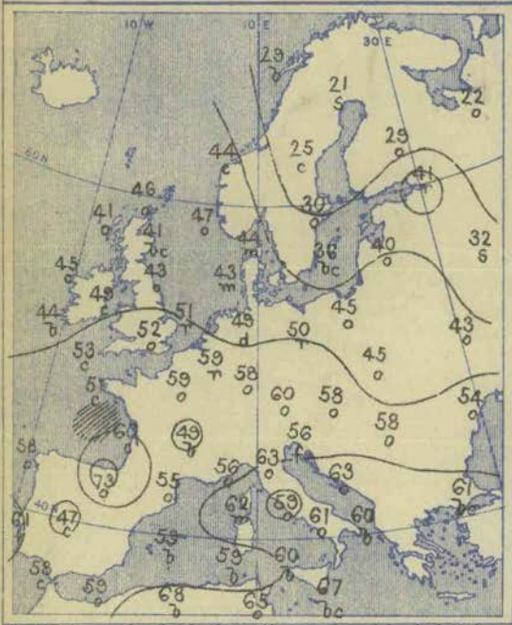
Saturday, 9th November.

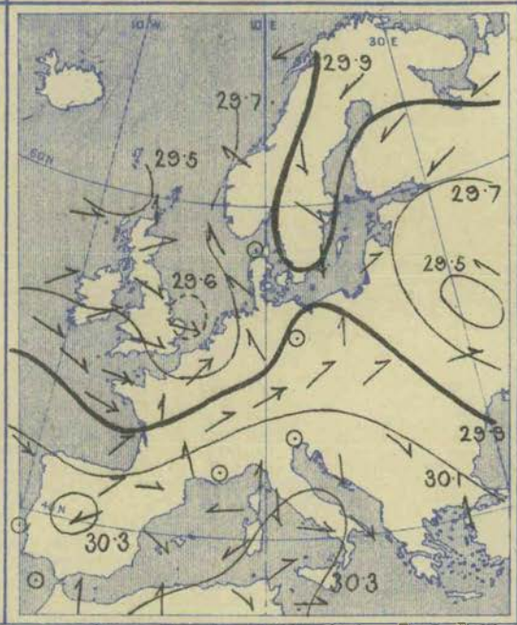
Temperature and Weather. 8 a.m.

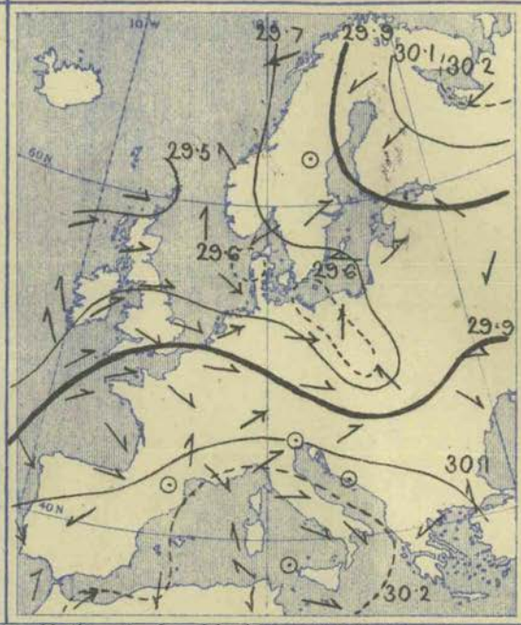


Weather in morning fine in the south-west of our Islands, but showery on our extreme north-west coasts, and rainy over the eastern, central, and south-eastern parts of England, as well as in many parts of Germany and the Netherlands. Fine in Spain and southern Italy, and also at most of the Scandinavian stations, misty or foggy in Denmark, dull in France, Austria, and Russia, with rain at St. Petersburg, and snow at Haparanda, Ulea borg, and Moscow. Sky clearing later over England, but rain setting in at night over the west and north of our Islands generally. Brilliant aurora seen in many parts of Great Britain.

Temperature fallen in most countries, but risen in France and Italy. Morning readings highest, 76° at Bilbao, 73° at Biarritz, 68° at Algiers, and 67° at Malta; above 60° at many of the Mediterranean, Adriatic, and Spanish coast stations. Lowest, (1) 21° at Haparanda, 22° at Archangel, 25° at Hernösand, and 26° at Ulea borg and Karlstad; (2) 36° at Leith, and 41° at Stornoway and Aberdeen. Rising during day to 55° and upwards at most of our own central and southern stations, and to 65° and upwards in many parts of France, Spain, and Italy; reaching 75° at Palermo, 77° at Bilbao, and 79° at Biarritz.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind light from the South-Westward in the north of our Islands, but moderate to fresh from the Westward on our southern coasts. Southerly or South-Westerly in France and Germany; South-Easterly in Denmark and the west of Norway. Light from the Northward or North-Eastward in Sweden and Finland, and from the North-Westward over the western and southern parts of Russia. Variable over the greater part of southern Europe. Subsequently veering to the Westward in France and Germany, but backing to the Southward in the west of our Islands, and increasing to a gale at night.

Barometer highest, 30·3 ins. and upwards over central Spain, and also over eastern Algeria and central Italy; 30·1 ins. and upwards in an anticyclone embracing the whole of southern Europe. Lowest, 29·5 ins. and less in two depressions—one lying off the north of Scotland, and the other over central Russia; 29·6 ins. and less in a third disturbance over the southern part of the North Sea. Last-mentioned system passing on later to the north of Denmark; new depression of considerable depth advancing to our extreme western coasts. Complex disturbance appearing over eastern Germany.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Barometrical pressure was highest over southern and south-eastern Europe, and lowest in the northern and north-western countries, where several depressions were observed, moving as a rule in a north-easterly direction. The disturbances were for the most part small and shallow, but on the 5th and 6th, a system of considerable depth (minimum readings below 28·5 ins.) passed along the extreme west and north of our Islands in a north-north-easterly direction, and occasioned fresh to strong gales from the Southward over the entire Kingdom, as well as in the west of Norway. The weather during the whole week was very changeable in most countries, with frequent falls of rain, the latter being heaviest in the south of England and the northern parts of France and Germany.

Towards the close of the week a second area of high pressure appeared over the north of Russia, and the distribution over north-western Europe was therefore becoming very complex.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 266.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration	Difference from Mean for the Week.
EDINBURGH	14·8	?	25	?	EASTBOURNE	7·4	?	11	?
OSWALDKIRK (Yorkshire)	13·0	?	21	?	MANCHESTER (Oldham Road)	1·0*	?	2*	?
WORKSOP	7·6	- 7·1	12	-11	TENBY		?		?
THURCASTON (Leicestershire)	5·7	- 8·3	9	-14	NEWQUAY	9·5	?	15	?
MARGATE	6·5	?	10	?	TORQUAY	8·5*	?	13*	?
WESTBOURNE (Sussex)	9·0*	?	15*	?	ARLEY COTTAGE (County Cavan)	17·0	?	27	?
BRIGHTON	10·3	?	16	?	GUERNSEY	9·3*	?	14*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

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WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 46.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 16TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 272.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	30	48·4	37·4	42·9	2 above	26	+ 7	13	− 2	2107	+286	924	+307
	1. SCOTLAND, EAST	58	28	48·0	36·0	42·0	1 above	17	− 4	17	− 2	2332	+ 20	1121	+466
	2. ENGLAND, N.E.	62	32	53·0	39·2	46·1	4 above	40	+17	8	− 4	2700	+242	860	+303
	3. ENGLAND, EAST	65	33	55·7	40·4	48·1	5 above	49	+23	4	−10	3049	+189	924	+290
	4. MIDLAND COUNTIES	63	32	55·2	39·6	47·4	5 above	48	+22	7	− 9	3002	+203	1020	+379
	5. ENGLAND, SOUTH	64	35	56·6	44·8	50·7	6 above	61	+26	0	− 9	3289	+179	812	+346
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	30	51·0	40·0	45·5	3 above	33	+ 9	6	− 4	2533	+138	864	+402
	7. ENGLAND, N.W.	63	37	54·2	42·3	48·2	4 above	43	+16	0	− 9	2819	+229	780	+324
	8. ENGLAND, S.W.	62	31	56·0	44·4	50·2	5 above	57	+17	0	− 4	3071	+167	709	+374
	9. IRELAND, NORTH	56	34	49·2	38·4	43·9	1 above	28	0	10	− 1	2616	+ 63	708	+301
	10. IRELAND, SOUTH	59	33	51·9	40·7	46·3	1 above	36	− 2	4	− 4	2876	− 14	548	+231
	—CHANNEL ISLANDS	63	44	57·5	49·3	53·4	4 above	80	+25	0	0	3615	+269	364	+252

Rainfall.

	DISTRICTS. (See p. 272.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	27	14 more	209	− 4	43·0	− 1·3
	1. SCOTLAND EAST	7	15	7 more	170	− 5	27·3	− 0·7
	2. ENGLAND, N.E.	5	6	0 (average)	165	+ 3	25·4	+ 2·0
	3 ENGLAND, EAST	4	5	1 less	143	−17	21·8	− 1·3
	4. MIDLAND COUNTIES	6	14	7 more	138	−19	21·7	− 3·8
	5. ENGLAND, SOUTH	7	16	9 more	135	−18	21·8	− 2·6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	25	12 more	173	−11	32·8	−11·9
	7. ENGLAND, N.W.	7	22	13 more	158	−12	28·6	− 2·3
	8. ENGLAND, S.W.	7	22	12 more	146	−31	31·0	− 3·9
	9. IRELAND, NORTH	7	17	9 more	188	−11	20·8	− 0·2
	10. IRELAND, SOUTH	7	23	15 more	161*	−21	32·0	− 2·1
	—CHANNEL ISLANDS	7	15	6 more	163	−25	26·4	− 2·7

Bright Sunshine.

	DISTRICTS. (See p. 272.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	+ 1	10	+ 2	1055	0	29	0
	1. SCOTLAND EAST	14	+ 4	23	+ 7	1320	+156	36	+ 4
	2. ENGLAND, N.E.	11	+ 1	20	+ 2	1422	+245	35	+ 6
	3 ENGLAND, EAST	22	+ 9	37	+12	1652	+226	41	+ 5
	4. MIDLAND COUNTIES	17	+ 5	28	+ 7	1526	+247	37	+ 6
	5. ENGLAND, SOUTH	21	+ 9	34	+14	1726	+221	41	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	12	+ 1	21	+ 3	1368	+100	33	+ 2
	7. ENGLAND, N.W.	10	+ 1	18	+ 2	1311	+209	36	+ 5
	8. ENGLAND, S.W.	17	+ 2	27	+ 3	1769*	+238	43	+ 6
	9. IRELAND, NORTH	14	+ 2	24	+ 3	1291	+145	32	+ 4
	10. IRELAND, SOUTH	18	+ 3	30	+ 4	1434	+ 65	35	+ 1
	—CHANNEL ISLANDS	23	+13	36	+21	1980	+274	51	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this period was again extremely unsettled, frequent and considerable falls of rain alternating with intervals of clear sky and sunshine.

Temperature was above the mean, the excess ranging from 1° in Scotland E. and over Ireland, to 5° in the Midland counties and England S.W. and E., and to 6° in England S. The highest of the maxima were recorded on the 16th over England, and earlier in the week over Ireland and Scotland. They were very high for the time of year, ranging from 65° in England E., 64° in England S., and 62° or 63° in the other English districts, to 56° in Ireland N. and Scotland N. The lowest of the minima occurred about the middle of the period, and varied from 28° in Scotland E., to 37° in England N.W., and to 44° in the Channel Islands.

Rainfall was a little less than the mean in England E., and only just equal to it in England N.E.; in the other districts, however, there was an excess, that in nearly all localities being very large.

Bright Sunshine was more prevalent generally than that recorded during the preceding week, and exceeded the normal amount in all districts. The percentage of the possible duration ranged from 37 in England E., 36 in the Channel Islands, and 34 in England S., to 18 in England N.W., and 10 in Scotland N.

Barometer and Wind.—Depressions again passed in a north-easterly direction over various parts of our Islands, causing strong winds or gales at times in nearly all districts. The first depression, which appeared off the west of Scotland on Sunday, was very large and deep, and was accompanied by strong Southerly to Westerly gales. No other disturbance of importance appeared in our immediate neighbourhood until Friday, when another deep system was seen to be approaching our western coasts. By Saturday morning the centre of the main disturbance lay off the north-west of Scotland, while a secondary system over the St. George's Channel was causing very steep gradients over all the southern parts of the Kingdom. Strong gales from between South and South-West were consequently again very general, and continued in many places throughout the day.

* This value has been altered owing to the receipt of further information for a preceding week.

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213 70 11|95 1896

II.—DATA from which the SUMMARY on page 271 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	51	37	48·0	39·1	43·6	+ 1·8	23	8	7	2·44	+1·47	*	*	*	*
	Stornoway	52	35	48·1	38·0	43·1	+ 1·3	25	11	7	2·05	+1·00	11·2	+ 1·5	20	+ 2
	Wick	?53	35	47·4	37·1	42·3	+ 1·0	23	14	4	0·62	−0·07	*	*	*	*
	Glencarron Ⓢ	55	30	47·4	35·4	41·4	+ 1·2	15	27	7	3·34	+1·06	*	*	*	*
	Fort Augustus Ⓜ Ⓢ	56	33	49·9	36·0	43·0	+ 2·0	32	17	7	3·17	+2·18	2·9	?	5	?
	Fort William Ⓜ Ⓢ	56	36	49·4	38·6	44·0	+ 2·1	28	10	7	4·44	+2·62	2·7	?	5	?
1. SCOTLAND, E.	Nairn	54	29	48·6	34·6	41·6	+ 0·8	18	31	6	0·31	−0·21	*	*	*	*
	Aberdeen	53	32	48·0	36·9	42·5	+ 1·0	25	14	5	1·47	+0·74	17·2	+ 4·2	31	+ 7
	Braemar Ⓢ	51	28	44·4	32·9	38·7	+ 0·7	7	34	7	2·12	+1·21	4·5†	?†	8†	?†
	Ochtertyre Ⓢ	54	35	48·1	36·7	42·4	+ 2·1	25	15	7	2·61	+1·59	*	*	*	*
	Leith	58	34	50·7	39·0	44·9	+ 2·1	33	8	7	1·12	+0·61	*	*	*	*
	Marchmont Ⓢ	?	29	?	32·4	?	?	?	?	7	1·16	+0·33	17·0	?	22	?
2. ENGLAND, N.E.	Alnwick Castle	54	32	48·9	37·1	43·0	+ 1·0	28	14	6	0·98	+0·19	*	*	*	*
	Durham	59	35	53·3	38·1	45·7	+ 4·5	42	11	7	0·77	+0·09	12·9	− 0·1	22	− 1
	Shields	60	36	53·7	38·6	46·2	+ 3·4	44	10	4	0·31	−0·29	*	*	*	*
	Scarborough Ⓜ	?60	38	?53·5	?39·8	?46·7	?+ 3·4	?42	?6	6	0·68	−0·02	*	*	*	*
	York	62	36	55·0	39·3	47·2	+ 5·0	48	8	6	0·90	+0·38	*	*	*	*
	Spurn Head	61	40	53·7	42·3	48·0	+ 4·2	42	0	4	0·16	−0·40	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	63	35	55·5	39·9	47·7	+ 5·5	49	6	5	0·63	+0·01	21·4	+ 8·9	36	+15
	Yarmouth	60	40	54·3	40·9	47·6	+ 3·9	44	3	4	0·19	−0·52	*	*	*	*
	Geldeston	63	37	55·4	42·0	48·7	+ 5·2	47	0	3	0·24	−0·39	21·0	+ 5·7	34	+ 9
	Cambridge	65	16	57·3	39·3	48·3	+ 5·9	55	8	2	0·25	−0·23	23·6	+ 8·5	39	+14
	Rothamsted	63	33	56·2	39·7	48·0	+ 6·0	52	6	7	1·29	+0·66	23·5	?	39	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	62	35	55·4	38·9	47·2	+ 5·2	49	9	5	0·66	+0·16	*	*	*	*
	Loughborough	63	39	56·3	41·3	48·8	+ 6·4	51	2	5	0·75	+0·23	*	*	*	*
	Stamford (Ketton Hall)	63	34	56·6	39·0	47·8	+ 5·5	53	8	5	0·70	+0·10	*	*	*	*
	Cheadle Ⓜ	59	36	54·2	38·0	46·1	+ 4·0	46	11	6	0·94	+0·19	*	*	*	*
	Solihull	60	36	54·0	39·8	46·9	+ 4·9	44	6	6	1·49	?	*	*	*	*
	Churchstoke Ⓜ	59	35	54·3	38·7	46·5	+ 4·6	45	9	7	2·63	+1·81	18·2	+ 6·2	30	+10
	Hereford Ⓜ	59	37	54·7	41·4	48·1	+ 4·9	45	2	7	2·40	+1·80	*	*	*	*
	Cirencester	61	32	55·3	37·1	46·2	+ 4·4	50	14	6	1·45	+0·75	16·1	+ 3·5	26	+ 5
	Oxford	62	39	56·4	42·3	49·4	+ 6·4	52	0	4	1·14	+0·59	21·3	+ 8·3	35	+13
5. ENGLAND, S.	London	64	40	57·1	43·7	50·4	+ 6·6	59	0	6	0·82	+0·30	21·1†	+12·1†	35†	+21†
	North Foreland	62	43	55·7	45·3	50·5	+ 5·8	60	0	4	1·07	?	*	*	*	*
	Strathfield Turgiss Ⓜ	64	35	57·1	40·4	48·8	+ 6·0	54	4	7	1·73	+1·13	*	*	*	*
	Dungeness	61	46	57·0	49·0	53·0	+ 7·8	77	0	7	1·48	+0·66	*	*	*	*
	Hastings (St. Leonards)	60	42	56·3	45·0	50·7	+ 5·4	61	0	7	2·61	+1·83	22·4	+ 6·4	36	+10
	Southampton	63	39	57·7	44·5	51·1	+ 6·3	64	0	7	1·96	+1·26	22·0	+ 8·6	35	+13
	Hurst Castle	62	42	56·9	47·4	52·2	+ 6·2	71	0	7	1·53	+0·83	*	*	*	*
	Stowell Ⓜ	60	39	55·2	43·0	49·1	+ 5·7	50	0	7	1·80	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	61	36	52·1	38·5	45·3	+ 2·8	38	10	7	3·52	+1·70	*	*	*	*
	Glasgow	55	37	50·0	38·8	44·4	+ 2·8	30	9	7	1·89	+1·00	7·3	+ 0·9	13	+ 2
	Ardrossan	54	39	50·3	42·9	46·6	+ 2·8	32	0	7	1·10	+0·19	*	*	*	*
	Glenlee Ⓢ	56	30	49·8	37·4	43·6	+ 2·8	31	13	7	3·64	+2·19	*	*	*	*
	Douglas (Isle of Man)	56	40	52·7	42·5	47·6	+ 3·3	39	0	7	1·81	+0·71	16·7	+ 2·2	28	+ 4
7. ENGLAND, N.W.	Stonyhurst	59	37	53·1	40·4	46·8	+ 4·2	40	4	7	1·70	+0·62	12·3	+ 1·7	21	+ 3
	Blackpool Ⓜ	59	37	54·1	41·9	48·0	+ 4·8	42	0	7	1·98	+1·16	12·2	+ 1·6	21	+ 3
	Manchester (Prestwich)	60	39	54·6	41·0	47·8	+ 5·3	45	3	7	1·64	+0·79	11·0	?	19	?
	Liverpool Obsy. (Bidston)	61	39	54·3	42·3	48·3	+ 4·3	44	0	6	1·54	+0·84	*	*	*	*
	Llandudno Ⓜ	63	41	56·9	43·0	50·0	+ 4·5	56	0	7	2·53	+1·73	11·4	+ 0·8	19	+ 1
	Holyhead	57	43	52·1	44·9	48·5	+ 2·0	46	0	6	3·72	+2·80	*	*	*	*
8. ENGLAND, S.W.	Llandovery	60	31	54·9	35·7	46·8	+ 3·2	47	9	7	3·33	+2·13	*	*	*	*
	Pembroke	58	45	54·6	48·4	51·5	+ 4·4	67	0	7	1·98	+1·05	12·8	− 1·2	21	− 3
	Bristol (Montpelier)	62	41	56·9	44·3	50·9	+ 7·1	62	0	6	1·55	+0·75	*	*	*	*
	Arlington (N. Devon)	62	39	56·4	43·6	49·7	+ 5·7	54	0	7	3·12	+1·63	*	*	*	*
	Cullompton Ⓜ	61	34	57·0	42·3	49·7	+ 5·2	54	0	6	2·05	+1·26	16·2‡	+ 4·7‡	26‡	+ 8‡
	Falmouth	60	43	56·0	45·6	50·8	+ 3·0	62	0	7	2·11	+0·85	19·0	+ 2·4	30	+ 3
	Plymouth	59	42	56·7	45·4	51·1	+ 4·4	64	0	7	1·83	+0·96	16·5	+ 2·8	26	+ 4
	Prawle Point	59	44	55·7	47·1	51·4	+ 4·7	66	0	7	1·86	+1·11	*	*	*	*
9. IRELAND, N.	Malin Head	53	40	49·1	41·6	45·4	+ 2·1	25	1	7	1·75	?	*	*	*	*
	Londonderry	54	35	49·0	37·9	43·5	+ 0·4	28	11	7	1·37	+0·38	*	*	*	*
	Edenfel (Omagh)	53	35	48·6	37·7	43·2	+ 1·4	26	12	7	2·03	+1·19	*	*	*	*
	Belmullet	52	40	49·1	42·0	45·6	− 1·2	25	0	7	2·81	?	*	*	*	*
	Markree Castle	54	34	49·2	37·2	43·2	+ 0·3	29	13	7	1·59	+0·76	15·8	+ 3·0	27	+ 5
	Brookeborough	54	35	49·0	37·1	45·1	+ 1·5	28	14	7	2·04	+1·05	*	*	*	*
	Armagh	55	35	50·2	37·3	43·8	+ 1·7	32	13	7	1·19	+0·55	14·2	+ 1·0	24	+ 1
	Donaghadee	56	35	49·6	38·3	44·0	0·0	30	10	5	1·23	+0·47	*	*	*	*
	Edgeworthstown	54	34	49·3	36·8	43·1	+ 0·6	30	15	7	1·61	+0·78	*	*	*	*
10. IRELAND, S.	Dublin	59	35	53·3	40·8	47·1	+ 2·1	41	3	6	1·37	+0·80	22·7	+ 6·0	38	+10
	Parsonstown	56	36	50·4	38·4	44·4	+ 1·1	32	10	7	1·65	+1·00	13·0	+ 0·1	25	0
	Kilkenny	57	33	50·9	38·1	44·5	− 0·4	34	11	7	1·65	+1·08	*	*	*	*
	Roche's Point	59	38	52·3	42·7	47·5	+ 0·7	39	0	6	2·40	+1·33	*	*	*	*
	Valencia	56	39	52·7	43·0	47·9	+ 0·1	41	0	7	2·70	+1·43	16·2	+ 1·8	27	+ 3
	Killarney	57	36	53·9	41·2	47·6	+ 1·8	43	2	7	3·97	?	*	*	*	*
	Foynes	54	39	50·1	40·5	45·3	+ 0·6	29	4	7	2·33	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	44	56·3	47·9	52·1	+ 2·3	71	0	6	1·62	+0·76	16·4	?	26	?
	Jersey	63	48	58·7	50·7	54·7	+ 6·5	89	0	7	1·46	+0·40	28·5	+12·8	45	+21

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

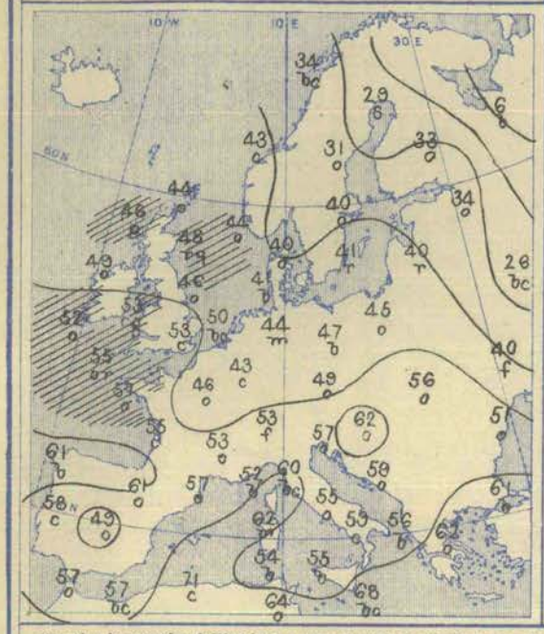
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

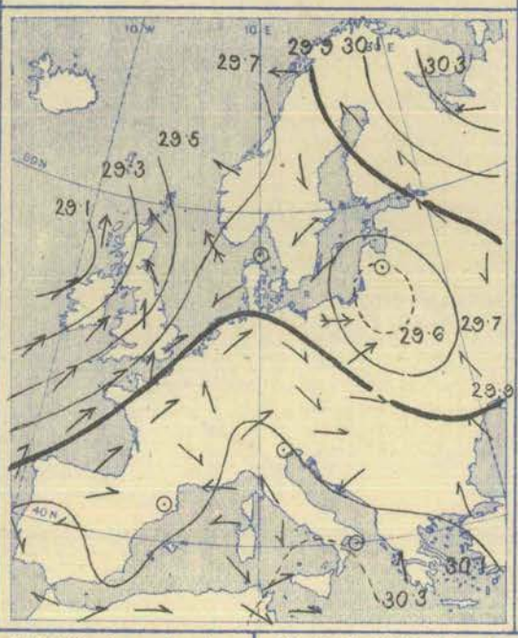
‡ Errata :—The corresponding values in last week's Report should read "6·0," "−8·0," "9," "−12."

Sunday, 10th November.

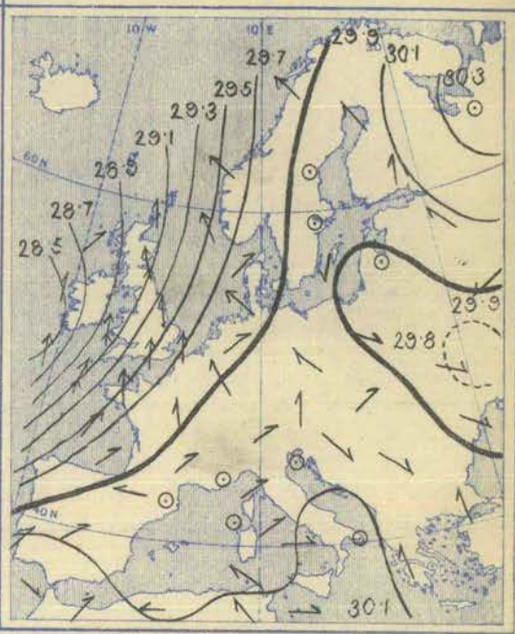
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning falling into a very unsettled condition over the United Kingdom and western Europe, although temporarily fine at some of the Irish stations; rain falling in many parts of England. Dull, rainy, and unsettled over Russia also, with snow at Uleaborg and Haparanda. Large quantities of rain falling over the northern and western parts of the United Kingdom later, and a considerable quantity over the remaining districts, as well as over many parts of France and some parts of Scandinavia. Bright aurora seen in the north of Scotland at night.

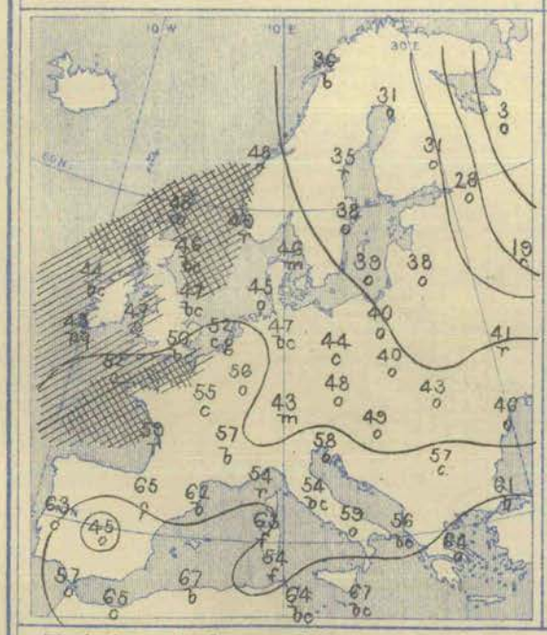
Temperature risen over our Islands, fallen decidedly over France. Morning readings highest, 71° at Algiers, 68° at Malta, 61° both at Constantinople and Biarritz, 57° at Brest, 55° at Scilly, and above 53° over the greater part of England and the south of Ireland. Lowest, 6° Fahr. at Archangel, 26° at Moscow, 29° at Uleaborg, 31° at Hernösand, 37° at Kharkov; above 40° over the British Islands and their neighbourhood generally. Rising later to between 55° and 57° over the greater part of our Islands, to 61° at Paris, to 68° at Brindisi and Cagliari, to 73° at Malta, and 77° at Algiers.

Wind (1) South-Westerly to Southerly over the United Kingdom as a whole, strong to a gale in the north of Scotland; strong on our western coasts; moderate at the more eastern stations; strong South-Easterly in the west of Norway; (2) a Westerly to North-Westerly gale over Germany, but an Easterly breeze over the Gulf of Finland, and North-Easterly over Sweden; (3) variable airs prevalent over southern Europe. Strong Southerly or South-Westerly gales all over the United Kingdom and adjacent countries later, but wind falling light over southern and central Europe.

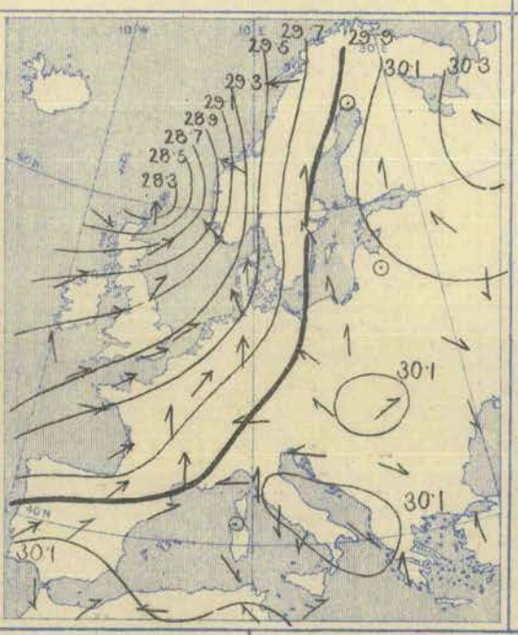
Barometer highest, 30·2 ins. and more over the south-eastern parts of the Mediterranean, and exceeding 29·9 ins. in a ridge stretching thence in a northerly direction to the Netherlands. Lowest, below 29·1 ins. off our extreme north-west coasts, and below 29·6 ins. in another depression over the Baltic provinces of Russia. Gradients steep for Southerly winds over the United Kingdom. Another large and deep depression reaching the Irish coast later, and barometer falling to below 28·5 ins. at Valencia.

Monday, 11th November.

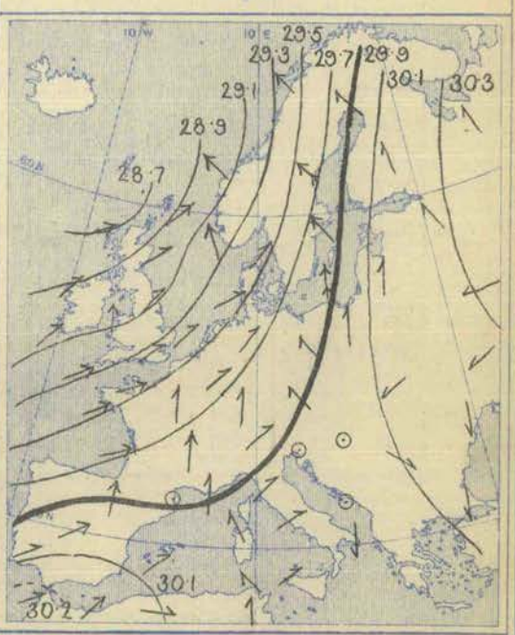
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine as a whole over the Mediterranean and south of France, fair over Germany, but cloudy or foggy in several places; rainy over the southern half of Russia, very squally, rough, and showery over the British Islands and North Sea, especially in the north-west and north, rain at times during day in all parts of north-western Europe—amount more than an inch at Cape Gris Nez, 0·8 ins. at Boulogne, and 0·4 ins. at several of our southern and western stations, 0·8 ins. at Oxō.

Temperature high for time of year throughout western Europe, falling in Ireland, very high at Biarritz and on the Portuguese coasts. Highest, 67° to 65° at several stations on the southern side of the Mediterranean, 65° at Biarritz, 63° at Lisbon, 57° at Lyons, 54° at Brest and Jersey, 53° at Hurst Castle. Lowest, 19° Fahr. at Moscow, 23° at St. Petersburg and Stockholm, and below 32° at several of the Finnish and Russian stations—not below 40° in any part of our Islands. Rising later to between 55° and 57° in many parts of England, and to 70° and more on the southern sides of the Mediterranean, but falling to below freezing point over central Scotland at night.

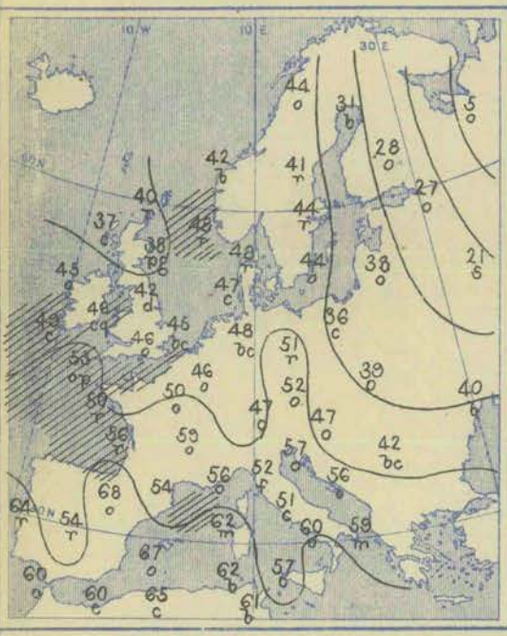
Wind very light and variable (anticyclonic) over Russia and central Europe, moderate over the Mediterranean; Southerly moderate to strong over France, and Westerly to Southerly (cyclonic) strong to a gale over the British Islands and North Sea. South-Easterly to Easterly in Norway. Decreasing somewhat in our Islands later, but continuing strong and squally in most places nevertheless.

Barometer highest, (1) 30·3 ins. to 30·0 ins. over the north of Russia, and 30·1 ins. to 30·0 ins. over central Europe and the Mediterranean. Lowest, 28·3 ins. and less in a deep depression lying off the north of Scotland—gradients exceedingly steep between the Shetlands and Norway. Depression travelling rapidly away to northward later, and barometer rising fast in Scotland. Local disturbances appearing over Ireland and England.

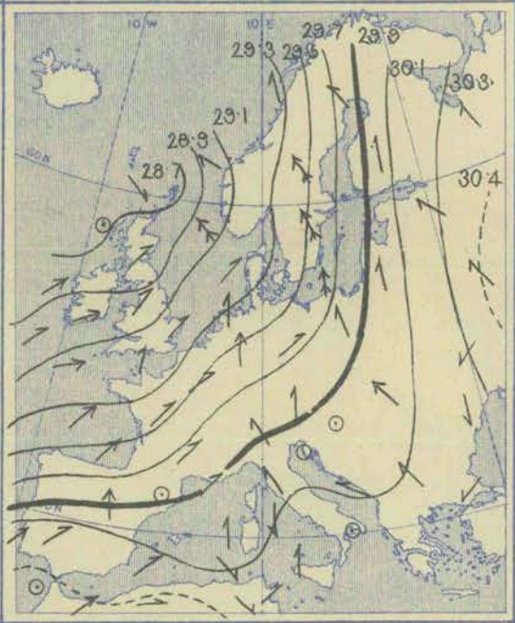
Wyman & Sons, Lt. Lith. 63, Carter Lane.

Tuesday, 12th November.

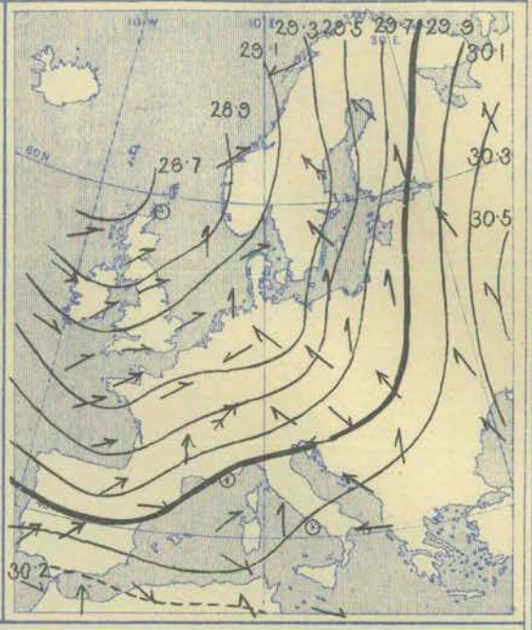
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still very unsettled over the British Islands, western and northern Europe, with rain in many places, especially over Spain and the west of France; snow at Moscow, fine over the Mediterranean and south-eastern Europe. Rain falling later in almost all parts of the British Islands, France, Germany, and Scandinavia; amounts not large over our Islands as a whole, but heavy over France and Sweden (1·8 ins. at Limoges), more than an inch in several other places. Thunder and lightning occurring on the eastern shores of the North Sea.

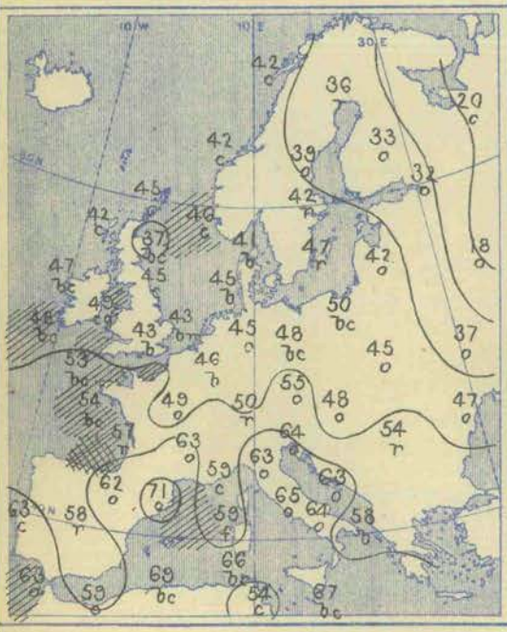
Temperature unsteady—showing a further decrease over Great Britain and Norway, an increase in the south of Ireland, central Europe, and Sweden. Highest, 71° at Bilbao, 68° at Biarritz, 65° at Algiers, 64° at Lisbon, 60° at Naples and Constantinople, 54° at Lorient, 53° at Scilly, 51° at Berlin. Lowest, 5° Fahr. at Archangel, 21° at Moscow, and below 30° over central Russia as a whole, 34° to 39° in the north and east of Scotland, 38° at Parsonstown. Rising later to between 50° and 55° over Ireland and England, to 61° at Paris, 67° at Lyons, 63° in the northern parts of Italy, and 75° at Biarritz and Algiers.

Wind nearly calm over the north of Scotland; South-Westerly to Southerly and strong over Ireland, England, and the north of France; Southerly moderate to a gale over the Baltic and Sweden; South-Easterly still further to the northward. Varying later to North-West over Ireland, and to West over England, and moderating as a whole, but continuing to blow strongly in many places; backing to South-East strong at Stockholm.

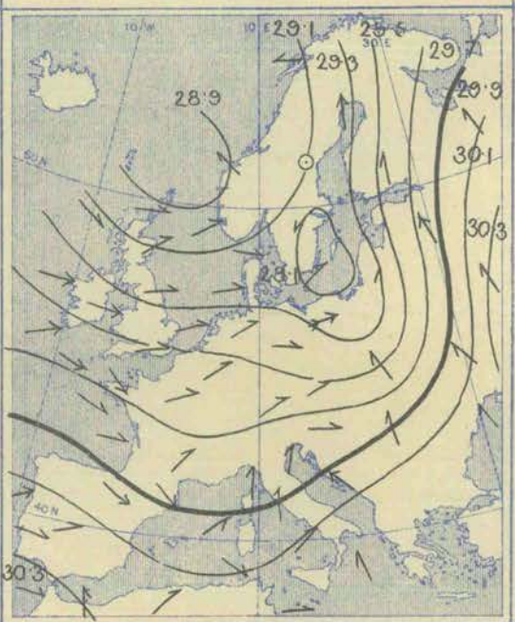
Barometer highest, (1) 30·4 ins. and more to 30·0 ins. over Russia; (2) 30·2 ins. and more to 30·0 ins. over Algeria and the southern parts of Spain and Italy. Lowest, 28·7 ins. and less in a complex depression lying off our extreme north-west coasts, several shallow local disturbances over our Islands and their neighbourhood. Rising fast over the United Kingdom later, falling over the countries lying to the eastward of the North Sea.

Wednesday, 13th November.

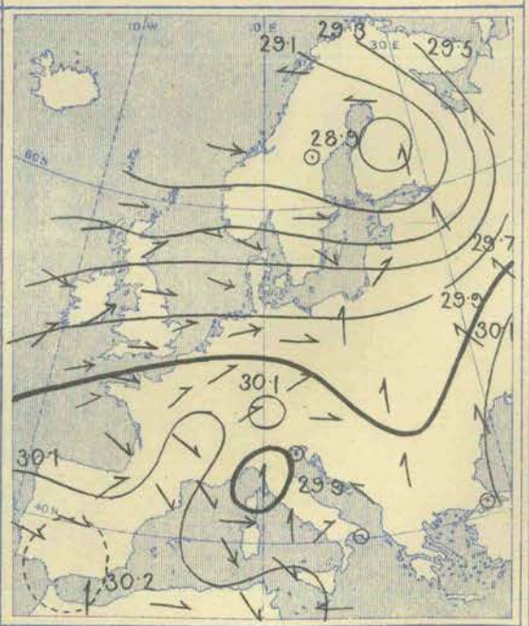
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean, and also over a large portion of the British Islands and the North Sea, dull and unsettled elsewhere, with rain in the south of France, as well as over the Baltic and Gulf of Bothnia, and some showers on our extreme north-west coasts. Showers later in the west and north of the British Isles, with thunderstorms in the north-west of Ireland, larger quantities of rain over Russia, more than an inch in the south of Finland, 0·75 in. at Munich.

Temperature risen quickly over central Europe and the north of Italy. Morning readings highest, 71° at Barcelona, 69° at Algiers, 67° at Malta, 64° at Oporto, 54° at Brest, 53° at Scilly, 52° at Pembroke. Lowest, 18° at Moscow, 19° at Kharkov, 20° at Archangel, 32° at St. Petersburg, 36° at Haparanda, and 37° at Aberdeen. Rising later to between 50° and 58° over Ireland and England, to 61° at Paris, 64° at Lyons, and 75° or more at stations in the south of France and in Italy, and still higher over Tunis.

Wind (1) Westerly (North-West to South-West) over the British Islands and western Europe, and blowing strongly in many places; Easterly in the west of Norway. Westerly over Germany; South-Easterly to Southerly over Russia and Finland, and fresh to a gale in force; South-Westerly to Westerly as a whole over central Europe; South-Easterly in the south of Russia. Backing to South-South-West on our western coasts later, and continuing to blow strongly in many places; a new cyclonic circulation setting in over the Riviera.

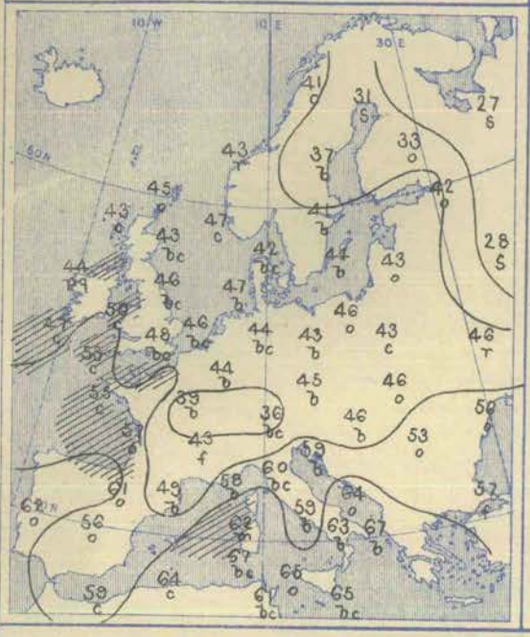
Barometer highest, 30·5 ins. and more to 30·0 ins. over Russia, and 30·3 ins. and more to 30·0 ins. over Spain and the southern parts of the Mediterranean. Lowest, 28·9 ins. and less in a depression off the west of Norway, and below 29·0 ins. in another near Wisby. Rising over western Europe generally during the day, falling a little in Ireland towards night.

Wyman & Sons, Ltd., Lith. 63, Carter Lane.

Thursday, 14th November.

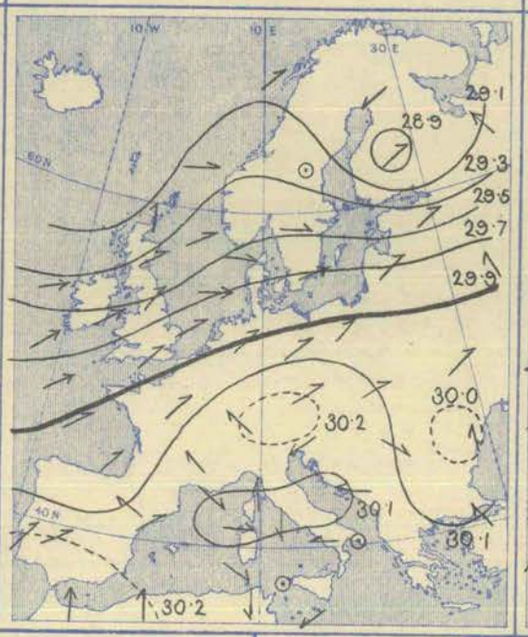
Temperature and Weather.

8 a.m.

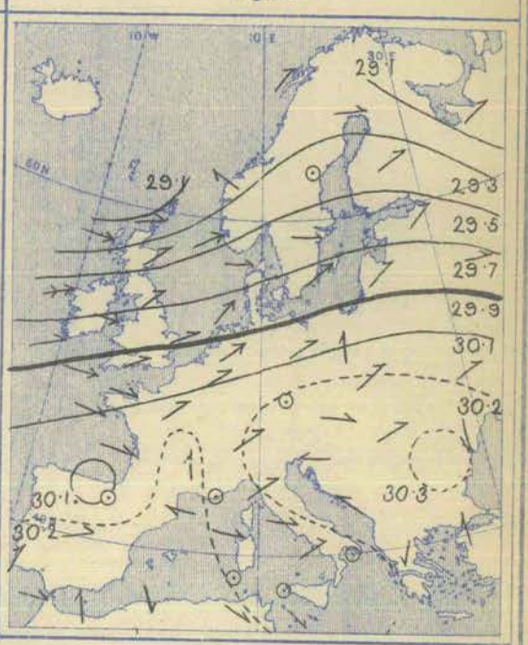


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, the north of Italy, south Germany, France, and England; dull and very unsettled over Russia, with rain at the southern stations, snow in the north, showery over Ireland, with a thunderstorm at Roche's Point. Rain later, in small quantity, over nearly the whole of our Islands, the North Sea, Scandinavia, Russia, and Germany, lightning at several northern stations, and a bright aurora at Wick.

Temperature fallen over central Europe and Italy, risen over Russia. Morning readings highest, 67° at Brindisi and Cagliari, and exceeding 60° at several other stations in the far south, 56° at Nicolaieff, 53° at Hermanstadt, 55° at Brest, and 54° to 50° on the coasts of the English Channel. Lowest, 27° at Archangel, 28° at Moscow, 29° at Kharkov, 31° at Uleaborg, 36° at Munich, but above 40° over central and western Europe as a whole. Rising later to between 58° and 50° in many parts of England, to 59° at Paris, and 72° at Biarritz and Cape Béarn, and to between 77° and 80° in the south of Italy.

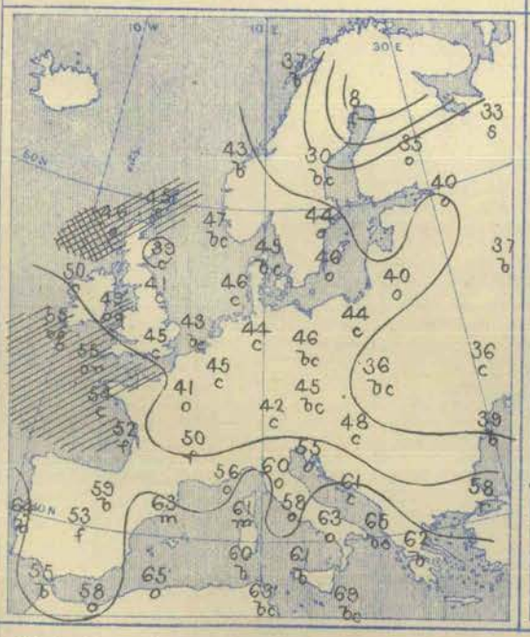
Wind (1) Westerly to South-Westerly over almost the whole of the north-western and northern countries, and still blowing strongly at many stations, but Easterly over the White Sea and Lapland; (2) light to moderate, and variable over southern and south-eastern Europe. Becoming still more Westerly over our Islands later, and blowing very strongly on our extreme north-western coasts.

Barometer highest, 30·2 ins. and more to 30·0 ins. in an irregularly formed anticyclonic system covering the southern half of Europe. Lowest, below 28·9 ins. in a depression over Finland, and below 29·1 ins. off the north coast of Scotland. Gradients rather steep over the northern countries. Unsteady over our Islands during day, but rising in Ireland in the evening.

Friday, 15th November.

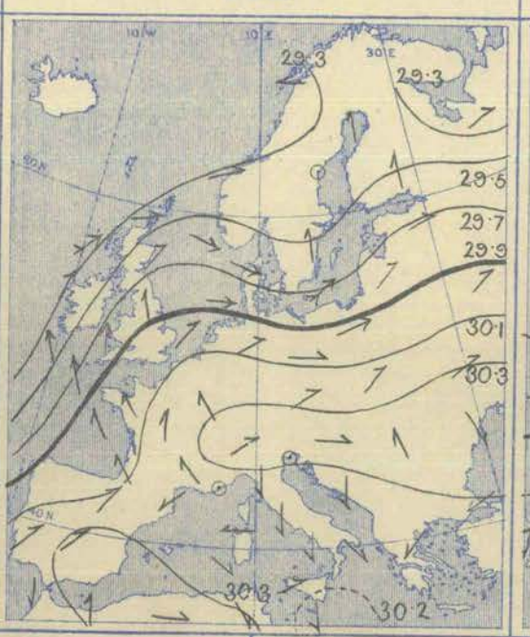
Temperature and Weather.

8 a.m.

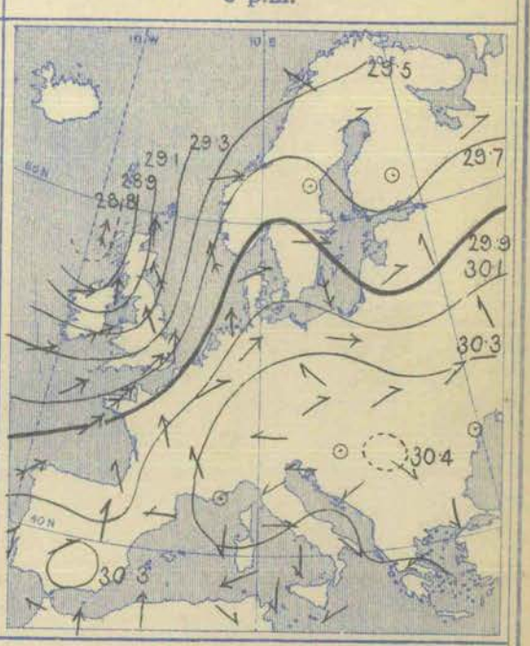


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning again becoming very unsettled and rough over the British Isles generally, with overcast and threatening skies, and rain at times in the west, dull and foggy over the northern parts of Russia also, with rain at Helsingfors, snow at Archangel, fine over southern and central Europe generally. Heavy rain falling over the south-western and western parts of our Islands later (1·4 ins. at Holyhead), and considerable quantities in all other parts of the British Islands, northern and north-western Europe. Aurora in the north of Scotland at night.

Temperature risen in Ireland, fallen over Great Britain. Morning readings highest, 69° at Malta and at Bilbao, and exceeding 60° at many stations in southern Europe, 55° at Trieste and Scilly, 54° at Hurst Castle, 50° at Belmullet. Lowest, 8 Fahr. at Haparanda, 30° at Hernösand, 33° at Archangel and at Kharkov, 36° at Cracow and Warsaw, 39° at Aberdeen. Rising rapidly over the United Kingdom later, and exceeding 60° in many places during the day, touching 68° at Lisbon, 75° at Biarritz, 70° at Rome, 77° at Palermo.

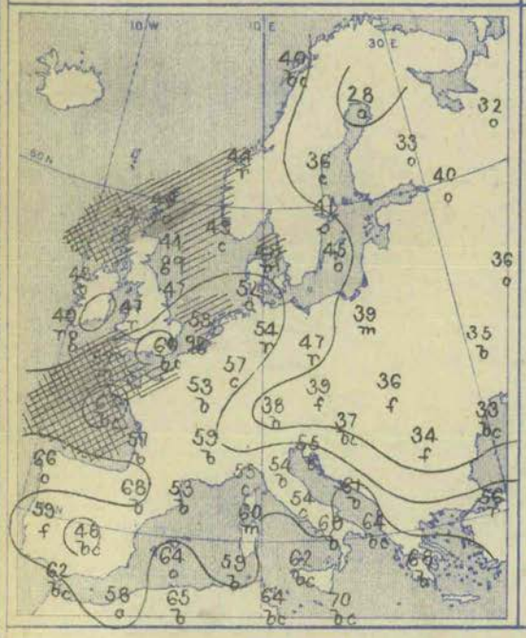
Wind Southerly over the United Kingdom generally, and France, and blowing strongly at the western stations; Westerly on the eastern shores of the North Sea; South-Westerly strong over the Baltic; Southerly light over Finland; Easterly at Bodö. Light and anticyclonic winds over central, southern, south-eastern Europe generally. Strong Southerly and South-Westerly gales felt all over the United Kingdom and North Sea later, but wind moderating over the Baltic.

Barometer highest, 29·4 ins. and more in the south of Russia, and exceeding 30·0 ins. over the whole of Spain, the Mediterranean, eastern and central Europe. Lowest, 29·3 ins. and less in the north-west of Norway, and below 29·4 ins. in the Hebrides and north-west of Ireland. Falling rapidly over Great Britain later, especially in the north, but beginning to rise again at Valencia. Rising decidedly over Scandinavia.

Saturday, 16th November.

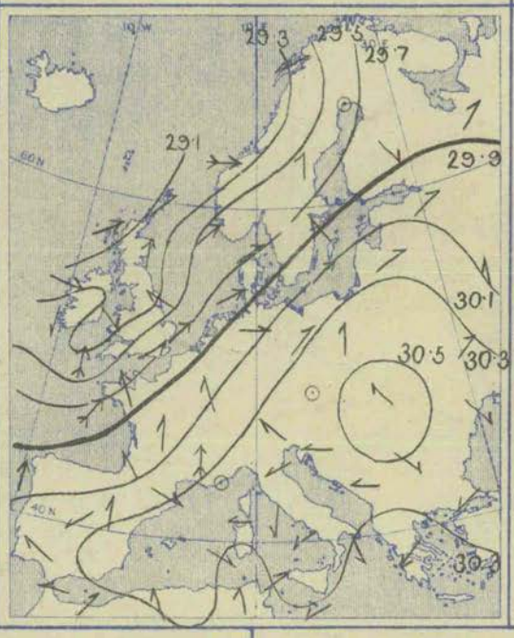
Temperature and Weather.

8 a.m.

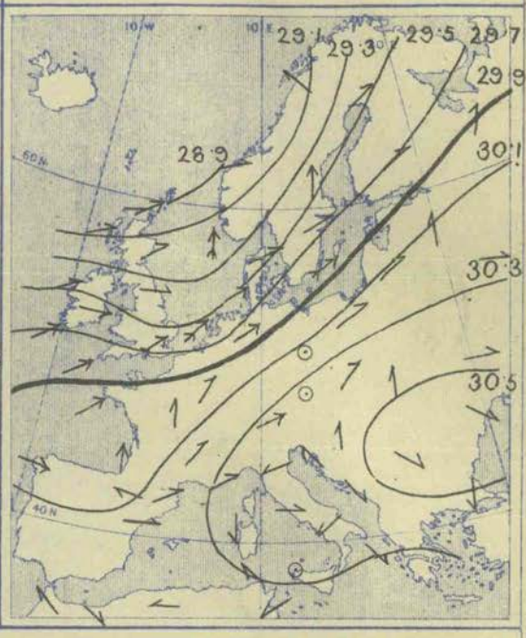


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern and southern Europe, the Mediterranean, and greater part of France, but very changeable over the northern and north-western countries, and in most regions rough and rainy. Rain falling during some part of the ensuing 24 hours over nearly all parts of the British Islands and the North Sea—most in the west—the fall at Holyhead exceeding an inch-and-a-half, a considerable fall at Corunna also.

Temperature risen very rapidly over England, quickly over the Netherlands and northern half of France, fallen over central Europe and the northern half of Russia. Morning readings highest, 70 at Malta, 68° at Patras, and also at Bilbao, and above 60° in many parts of southern Europe, 61° at Oxford, 60° at Loughborough, 59° in London, and above 55° over all but the northern parts of England. Lowest, 28° at Haparanda, 32° at Archangel, 32° to 39° over the greater part of Germany and Russia. Rising later to between 60° and 64° over England, to 67° at Paris, and 77° at Biarritz, but beginning to give way again later.

Wind (1) chiefly Southerly to South-Westerly over the British Islands and north-western Europe, moderate to strong in force, and blowing a gale in the south-west of England, but a moderate breeze from the Northward felt locally in the south of Ireland; (2) light and anticyclonic over eastern, central, and southern Europe. The Southerly gale extending to the south-east of England and some parts of the North Sea later, strong Westerly and North-Westerly winds setting in over Wales, and a gale at Scilly.

Barometer highest, 30·5 ins. over Hungary and Poland, and exceeding 30·0 ins. over eastern, central, and southern Europe generally. Lowest, below 29·0 ins. to the north-westward of the Hebrides, and below 29·2 ins. off the north-west of Norway; below 29·3 ins. in a complex secondary system over St. George's Channel and the north of England. Latter systems moving north-eastwards later, and filling up, and a decided rise of barometer spreading over our Islands from the Atlantic.

GENERAL NOTES.

In the course of this week the distribution of pressure has been of what is known as the south-westerly type—*i.e.*, highest over eastern and southern Europe, lowest in the north-west and north, and the gradients have been steep. Several depressions have appeared off the north-western coasts of the British Islands moving from south-west to north-east, and causing gales of considerable force from time to time over the United Kingdom and its neighbourhood, accompanied by much rain, and in several districts by thunderstorms. At the same time secondary disturbances have appeared in different parts of north-western Europe, causing local variations in the direction and force of the wind, and in the amounts of rain—the more noteworthy being those which lay over the St. George's Channel and the north of England at 8 a.m. on Saturday the 16th.

Temperature has been high over north-western Europe, but the readings on the 16th were unusually high—the maxima on that day varying from 65° to 60° over England. The air was often very humid.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 272.

Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	17.8	?	30	?	EASTBOURNE	21·6	?	35	?
OSWALDKIRK (Yorkshire)	9·8	?	17	?	MANCHESTER (Oldham Road)	5·3*	?	9*	?
WORKSOP	10·9	- 0·9	18	- 2	TENBY	14·5*	?	24*,	?
THURCASTON (Leicestershire)	17·6	+ 5·6	29	+ 9	NEWQUAY	22·3	?	35	?
MARGATE	19·8	?	32	?	TORQUAY	16·6*	?	26*	?
WESTBOURNE (Sussex)	16·5*	?	27*	?	ARLEY COTTAGE (County Cavan)	11·6	?	20	?
BRIGHTON	23·2	?	37	?	GUERNSEY		?		?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
											Inches.	Inches.				
Sept. 21st, 1895.	Laudale	67	43	62·0	48·7	55·0	+ 2·4	91	0	5	1·68	+0·06	—	—	—	—
" " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	43·5	—	51	—
" 28th, "	Scarborough	80	50	74·8	57·0	65·5	+12·7	165	0	0	—	- 0·67	—	—	—	—
" " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	55·0	—	66	—
Oct. 5th, "	Scarborough	75	36	58·8	41·5	49·9	- 1·7	57	1	3	0·28	- 0·29	—	—	—	—
" " "	Bawtry	79	34	63·0	43·9	52·2	+ 2·0	72	0	5	0·60	- 0·04	—	—	—	—
" " "	Laudale	73	37	63·2	45·0	53·8	+ 3·9	83	0	5	2·40	+0·66	—	—	—	—
" " "	Newquay	—	—	—	—	—	—	—	—	—	—	—	45·2	—	57	—
" 12th, "	Edenfel (Omagh)	56	37	52·7	40·7	46·5	- 1·6	37	4	6	0·50	- 0·34	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 47.] *Third Series.*

WEEK ENDING SATURDAY, NOVEMBER 23RD, 1895.

[*Price* 6*d.* *Annual Subscription, post paid*, £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number.

TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90.

RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90.

BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 278.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	° 55	° 30	° 46·7	° 37·8	° 42·3	2 above	Day-deg. 20	Day-deg. + 5	Day-deg. 12	Day-deg. - 6	Day-deg. 2127	Day-deg. +291	Day-deg. 936	Day-deg. +301
	1. SCOTLAND, EAST	55	28	46·5	36·6	41·6	2 above	13	- 4	22	- 1	2345	+ 16	1143	+465
	2. ENGLAND, N.E.	56	30	48·1	38·3	43·5	2 above	24	+ 5	9	- 6	2724	+247	869	+297
	3. ENGLAND, EAST	57	27	50·0	37·9	44·0	3 above	31	+ 9	11	- 5	3080	+198	935	+285
	4. MIDLAND COUNTIES	58	23	49·6	36·5	43·0	2 above	30	+ 8	15	- 3	3032	+211	1035	+376
	5. ENGLAND, SOUTH	57	27	52·1	41·1	46·7	3 above	37	+ 7	3	- 8	3326	+186	815	+338
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	54	30	48·1	39·6	43·9	2 above	23	+ 2	7	- 5	2555*	+139	871	+397
	7. ENGLAND, N.W.	56	30	49·7	40·8	45·3	2 above	28	+ 6	3	- 8	2847	+235	783	+316
	8. ENGLAND, S.W.	58	26	52·8	43·9	48·3	4 above	44	+ 9	0	- 5	3115	+176	709	+369
	9. IRELAND, NORTH	54	29	49·4	39·9	44·7	3 above	28	+ 4	6	- 8	2644	+ 67	714	+293
	10. IRELAND, SOUTH	57	28	51·7	42·5	47·1	2 above	36	+ 2	0	-10	2912	- 12	548	+221
	—CHANNEL ISLANDS	59	38	55·1	48·5	51·9	4 above	69	+19	0	- 1	3684	+288	364	+251

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 278.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 8	10ths of ins. 5 less	213	- 5	Ins. 43·8	Ins. - 1·8	5	- 6	9	-12	1060	- 6	28	- 1
	1. SCOTLAND EAST	4	8	0 (average)	174	- 6	28·1	- 0·7	13	+ 5	24	+ 7	1333	+161	36	+ 4
	2. ENGLAND, N.E.	5	5	1 less	170	+ 3	25·9	+ 1·9	12	+ 1	21	0	1435*	+246	35	+ 6
	3 ENGLAND, EAST	4	5	1 less	147	-17	22·3	- 1·4	16	+ 5	28	+ 9	1668	+231	41	+ 6
	4. MIDLAND COUNTIES	5	4	2 less	143	-19	22·1	- 4·1	15	+ 4	26	+ 7	1541	+251	37	+ 6
	5. ENGLAND, SOUTH	4	3	4 less	139	-18	22·1	- 3·0	11	- 2	19	- 3	1737	+219	41	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	9	4 less	177	-12	33·7	-12·3	12	+ 3	23	+ 7	1380	+104	33	+ 2
	7. ENGLAND, N.W.	4	6	3 less	162	-13	29·2	- 2·6	13	+ 5	23	+ 9	1324	+214	36	+ 5
	8. ENGLAND, S.W.	5	5	5 less	151	-31	31·5	- 4·4	19	+ 8	31	+12	1788	+246	43	+ 6
	9. IRELAND, NORTH	4	10	1 more	192	-12	31·8	- 0·7	19	+ 6	33	+10	1310	+152	32	+ 4
	10. IRELAND, SOUTH	5	12	3 more	166	-21	33·2	- 1·2	14	+ 1	24	0	1448	+ 65	35	+ 2
	—CHANNEL ISLANDS	6	6	4 less	169	-25	27·0	- 3·1	18	+ 2	29	+ 3	1998	+276	51	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather varied considerably in different parts of the Kingdom. Rain was of frequent occurrence, excepting in the south-east, but the amounts were less heavy than those of the weeks immediately preceding. The air was very humid generally, and fog or mist was experienced at times.

Temperature again exceeded the mean, the excess ranging from 4° in England S.W. and the Channel Islands, to 2° in most of the western and northern districts. The highest of the maxima were recorded on the 17th at most of the English stations, but later in the week in Ireland and Scotland. They ranged from 59° in the Channel Islands and 57° in the south-west and south of Ireland, to 54° in Scotland W. and Ireland N. The lowest of the minima were registered on the 18th, and varied from 23° in the Midland counties, to 30° in Scotland N. and W., and England N.E. and N.W., and to 38° in the Channel Islands.

Rainfall slightly exceeded the mean in Ireland, and just equalled it in Scotland E.; in all other districts there was a deficit.

Bright Sunshine was in excess of the mean for the time of year in most parts of the Kingdom. The percentage of the possible duration ranged from 33 in Ireland N., to 19 in England S., and to 9 in Scotland N.

Barometer and Wind.—At the commencement of the period a deep depression was travelling away to the north-eastward of our Islands, and an anticyclone soon spread over us from the South-Westward. By the 18th, however, pressure began to give way in the west, and during the next few days the anticyclone moved northwards, while a depression from the Atlantic spread gradually over the Kingdom. The winds consequently increased considerably in force from the Southward and South-Eastward, and blew with the force of a gale at many of our western and northern stations. This depression filled up during the 21st, and was succeeded by a new anticyclone from the westward, while a shallow disturbance was observed off the north of Scotland, and some small secondary depressions over England. At the end of the period a deep depression was developed over the North Sea, and, moving southwards, passed across the Netherlands to France. This caused the wind to increase to a strong gale from the North-Eastward on our south-eastern coasts.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 277 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		*	*	*	*	*	*				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	48	33	45·6	36·1	40·9	0·0	10	24	4	0·92	−0·06	*	*	*	*
	Stornoway	52	31	46·7	37·0	41·9	+ 1·0	13	21	6	0·95	−0·14	2·3	− 5·7	4	−12
	Wick	49	30	45·4	37·4	41·4	+ 1·2	10	18	3	0·34	−0·33	*	*	*	*
	Glencarron Ⓢ	55	31	46·8	37·3	42·1	+ 2·9	20	13	3	1·01	−1·24	*	*	*	*
	Fort Augustus Ⓢ	54	23	47·8	38·4	43·1	+ 3·1	23	10	5	0·85	−0·17	4·0	?	8	?
	Fort William Ⓢ	53	34	47·8	40·3	44·1	+ 3·2	22	5	4	0·96	−0·57	8·4	?	16	?
1. SCOTLAND, E.	Nairn	53	33	48·3	36·4	42·4	+ 2·5	26	16	4	0·63	+0·11	*	*	*	*
	Aberdeen	48	32	46·6	38·9	42·8	+ 2·3	19	9	4	1·10	+0·38	15·7	+ 4·6	30	+ 7
	Braemar Ⓢ	48	31	43·2	35·5	39·4	+ 2·4	3	24	5	0·76	−0·14	10·7†	?†	20†	?†
	Ochtertyre Ⓢ	50	31	45·6	35·6	40·6	+ 1·2	10	25	5	1·1 ¹	+0·12	*	*	*	*
	Leith Ⓢ	55	31		36·7	42·7	+ 0·9	27	15	4	0·2	−0·25	*	*	*	*
	Marchmont Ⓢ	?	28	?	35·4		?	?	?	4	0·72	−0·08	12·8	?	24	?
2. ENGLAND, N.E.	Alnwick Castle	52	30	46·3	37·9	42·1	+ 1·2	18	11	4	0·67	−0·11	*	*	*	*
	Durham	53	32	47·3	38·0	42·7	+ 2·7	22	11	7	0·52	−0·19	12·7	+ 0·9	23	+ 1
	Shields	52	33	48·6	37·6	43·1	+ 1·4	26	12	4	0·56	−0·09	*	*	*	*
	Scarborough Ⓜ	56	35	48·3	39·4	43·9	+ 1·7	24	7	3	0·31	−0·39	*	*	*	*
	York	53	32	49·4	37·7	43·6	+ 2·6	29	12	6	0·61	+0·11	8·6	+ 0·4	15	0
	Spurn Head	50	39	48·4	42·4	45·4	+ 2·8	24	0	3	0·37	−0·18	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	53	28	49·4	38·3	43·9	+ 3·1	29	10	4	0·92	+0·30	19·3	+ 7·8	34	+15
	Yarmouth	52	34	48·9	40·7	44·8	+ 2·4	25	4	2	0·31	−0·39	*	*	*	*
	Geldeston	53	28	50·5	38·5	44·5	+ 2·4	32	10	3	0·33	−0·31	19·4	+ 5·7	33	+10
	Cambridge	57	10	51·7	36·4	44·1	+ 3·1	38	16	4	0·50	+0·03	15·2	+ 1·9	26	+ 3
	Rothamsted	53	27	49·4	35·5	42·5	+ 1·6	31	18	6	0·46	−0·17	11·2	?	19	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	26	49·9	32·7	41·3	+ 0·4	22	38	5	0·62	+0·12	*	*	*	*
	Loughborough	53	29	50·4	36·3	43·4	+ 2·1	34	16	6	0·58	+0·08	*	*	*	*
	Stamford (Ketton Hall)	?53	23	?50·7	34·3	?42·5	?+ 1·4	?36	?22	5	0·43	−0·18	*	*	*	*
	Cheadle Ⓜ	52	32	47·4	37·4	42·4	+ 2·3	22	13	4	0·71	+0·01	*	*	*	*
	Solihull	55	32	48·2	37·1	42·7	+ 1·6	25	14	5	0·38	?	*	*	*	*
	Churchstoke Ⓜ	56	32	49·3	37·9	43·6	+ 2·8	28	11	3	0·17	−0·63	12·5	+ 2·	22	+ 4
	Hereford Ⓜ	57	30	49·9	38·3	44·1	+ 2·1	30	10	6	0·26	−0·34	*	*	*	*
	Cirencester	?58	26	?50·2		?43·4	?+ 2·9	?32	?15	5	0·29	−0·41	16·7	+ 5·7	29	+10
	Oxford	55	29	50·3	37·7	44·0	+ 2·1	32	12	3	0·40	−0·15	12·7	+ 1·8	22	+ 2
5. ENGLAND, S.	London	55	31	51·6	39·3	45·5	+ 2·8	36	8	2	0·23	−0·29	5·6†	− 1·6†	10†	− 1†
	North Foreland	53	37	50·9	41·7	46·3	+ 2·3	31	1	3	0·48	?	*	*	*	*
	Strathfield Turgiss Ⓜ	57	27	51·8	35·4	43·6	+ 2·1	39	18	5	0·43	−0·17	*	*	*	*
	Dungeness	55	34	52·4	42·3	47·4	+ 3·4	38	0	3	0·19	−0·39	*	*	*	*
	Hastings (St. Leonards)	55	37	52·4	42·3	47·4	+ 3·4	38	0	4	0·36	−0·32	10·0	− 3·5	17	− 7
	Southampton	56	32	53·2	42·2	47·7	+ 4·0	40	0	4	0·23	−0·47	11·4	− 0·6	19	0
	Hurst Castle	56	39	53·1	44·7	48·9	+ 4·2	48	0	4	0·24	−0·46	*	*	*	*
	Stowell Ⓜ	56	33	51·7	41·1	46·4	+ 4·1	35	3	5	0·48	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	?	30	?	39·6	?	?	?	?	5	0·77	−1·42	*	*	*	*
	Glasgow	52	37	47·3	39·7	43·5	+ 2·9	20	6	4	0·72	−0·16	8·4	+ 3·3	16	+ 7
	Ardrossan	51	35	48·0	40·9	44·5	+ 1·8	22	3	3	1·04	+0·14	*	*	*	*
	Glenlee Ⓢ	52	30	47·3	36·3	42·1	+ 2·3	25	16	4	1·27	−0·22	*	*	*	*
	Douglas (Isle of Man)	54	33	49·2	41·6	45·4	+ 1·9	25	1	5	0·66	−0·45	16·3	+ 3·3	29	+ 7
7. ENGLAND, N.W.	Stonyhurst	50	25	46·1	39·2	42·7	+ 1·4	17	8	4	0·73	−0·35	13·6	+ 4·2	24	+ 8
	Blackpool Ⓜ	53	35	49·7	39·8	44·8	+ 2·8	29	6	4	1·00	+0·20	14·0	+ 5·1	25	+ 9
	Manchester (Prestwich)	54	30	51·2	39·8	45·5	+ 4·5	34	6	5	0·52	−0·28	13·9	?	25	?
	Liverpool Obsy. (Bidston)	53	35	49·1	39·7	44·4	+ 1·5	25	6	3	0·32	−0·36	*	*	*	*
	Llandudno Ⓜ	56	39	51·7	43·3	47·5	+ 3·0	39	0	5	0·42	−0·40	15·1	+ 6·1	26	+10
	Holyhead	55	39	50·6	42·9	46·8	+ 1·1	34	0	5	0·39	−0·51	*	*	*	*
8. ENGLAND, S.W.	Llandovery	58	26	51·1	38·9	45·0	+ 2·5	34	9	7	0·45	−0·72	*	*	*	*
	Pembroke	54	42	52·1	47·3	49·7	+ 3·5	54	0	5	0·53	−0·42	18·0	+ 5·6	31	+10
	Bristol (Montpelier)	56	34	52·0	41·9	47·0	+ 4·1	35	0	4	0·30	−0·52	*	*	*	*
	Arlington (N. Devon)	54	35	51·7	41·7	46·7	+ 3·7	34	1	4	0·52	−0·95	*	*	*	*
	Cullompton Ⓜ	58	27	53·7	41·3	47·5	+ 4·3	41	2	4	0·66	−0·20	15·8	+ 6·3	27	+11
	Falmouth	58	39	54·0	46·5	50·3	+ 3·8	58	0	4	0·71	−0·56	24·7	+10·1	40	+16
	Plymouth	58	36	54·3	46·1	50·2	+ 4·5	57	0	2	0·56	−0·22	19·9	+ 8·1	32	+12
	Prawle Point	56	42	53·4	47·1	50·3	+ 4·6	58	0	6	0·47	−0·31	*	*	*	*
9. IRELAND, N.	Malin Head	51	38	48·1	42·0	45·1	+ 2·6	22	0	5	0·57	?	*	*	*	*
	Londonderry	54	34	50·0	40·4	45·2	+ 3·2	29	4	5	0·62	−0·37	*	*	*	*
	Edenfel (Omagh)	52	29	47·6	37·9	42·8	+ 1·9	23	11	5	1·43	+0·58	*	*	*	*
	Belmullet	52	40	50·1	42·7	46·4	+ 0·4	31	0	4	1·26	?	*	*	*	*
	Markree Castle	54	31	50·8	38·1	44·5	+ 2·5	34	11	4	1·18	+0·38	16·9	+ 5·9	30	+ 9
	Brookeborough	54	29	49·4	38·8	44·1	+ 3·5	28	9	4	1·61	+0·39	*	*	*	*
	Armagh	54	32	49·7	39·9	44·8	+ 3·8	28	6	4	0·62	−0·07	19·2	+ 6·8	34	+11
	Donaghadee	52	31	48·7	40·7	44·7	+ 1·7	24	4	5	0·62	−0·13	*	*	*	*
	Edgeworthstown	54	32	50·0	38·7	44·4	+ 2·7	31	9	4	0·87	+0·01	*	*	*	*
10. IRELAND, S.	Dublin	56	37	51·5	43·5	47·5	+ 3·5	39	0	5	0·67	+0·07	18·6	+ 3·5	33	+ 7
	Parsonstown	56	34	50·9	41·1	46·0	+ 3·5	32	3	5	1·10	+0·41	14·5	+ 1·5	25	+ 1
	Kilkenny	55	28	50·6	40·0	45·3	+ 1·3	32	6	4	1·38	+0·76	*	*	*	*
	Roche's Point	55	38	52·1	43·3	48·7	+ 2·7	47	0	4	1·00	+0·48	*	*	*	*
	Valencia	57	38	53·3	44·4	48·9	+ 1·9	48	0	6	0·83	−0·40	8·0	− 4·1	14	− 8
	Killarney	56	32	52·5	40·5	46·5	+ 1·5	38	4	?6	1·24	?	*	*	*	*
	Foynes	56	34	50·8	42·5	46·7	+ 2·7	33	0	5	1·46	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	46	55·3	49·4	52·4	+ 3·5	73	0	5	0·50	−0·40	23·0	?	38	?
	Jersey	58	38	54·9	47·6	51·3	+ 4·0	65	0	6	0·66	−0·32	15·4	+ 2·2	25	+ 3

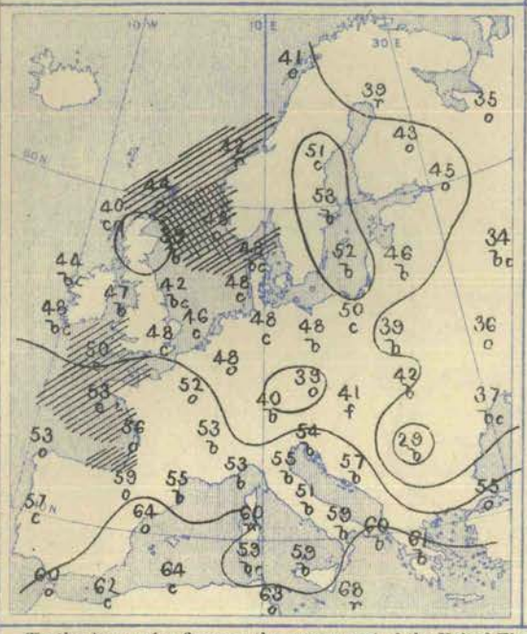
Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

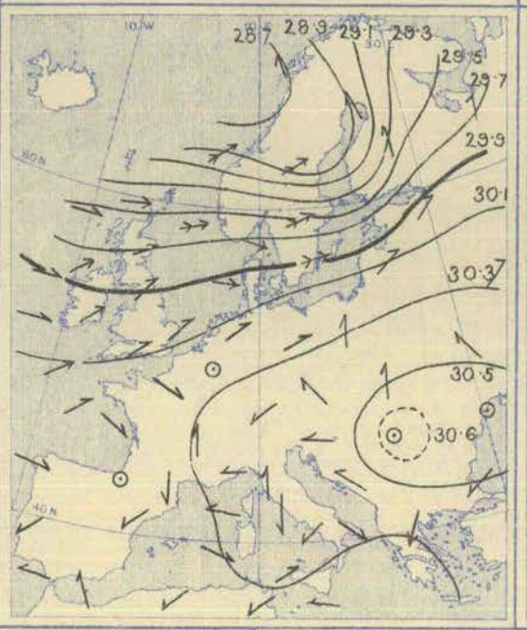
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 17th November.

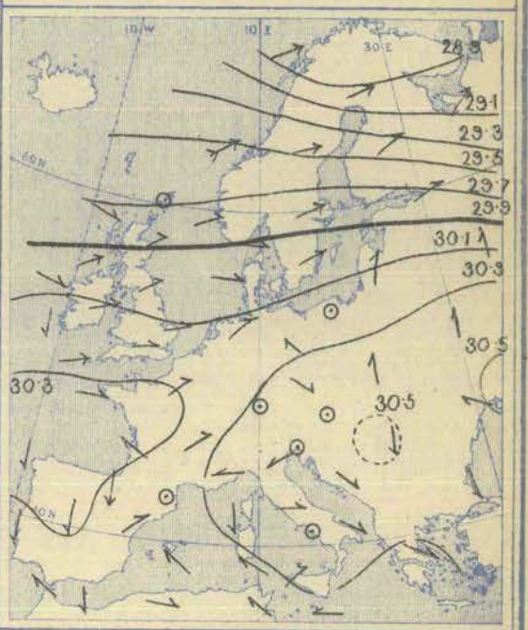
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but cloudy and showery in the extreme south of England. Fine over Austria, Italy, and the south of France, as well as over the Baltic provinces and the south of Scandinavia; cloudy or dull in other parts of the Continent, with rain at Ulleaborg and Christiansund. Showers falling later in many parts of our Islands, and steady rain at several stations situated over northern and central Europe.

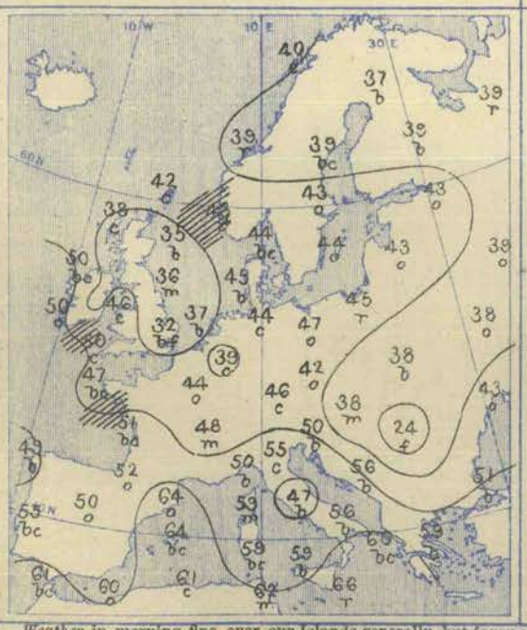
Temperature fallen in most parts of western and southern Europe, risen in the northern countries. Morning readings highest, 68° at Malta, 64° at Barcelona and Algiers, and 63° at Sfax; above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest, 29° at Hermanstadt, 34° at Moscow, 35° at Archangel, and 36° at Kiel, Kharkov, and Nicolaieff. Subsequently rising to between 50° and 55° in many parts of England and Ireland, and to 56° at Jersey; exceeding 65° over southern Europe generally, and reaching 75° at Palermo, and 73° at Clermont.

Wind South-Westerly or Westerly over our Islands and all the more northern parts of the Continent; light to fresh in force over the United Kingdom, but strong to a gale in Scandinavia. Light and variable over the more southern countries, but Southerly over the greater part of Russia. No important change occurring later, but gale in Scandinavia spreading eastwards over the Gulf of Finland.

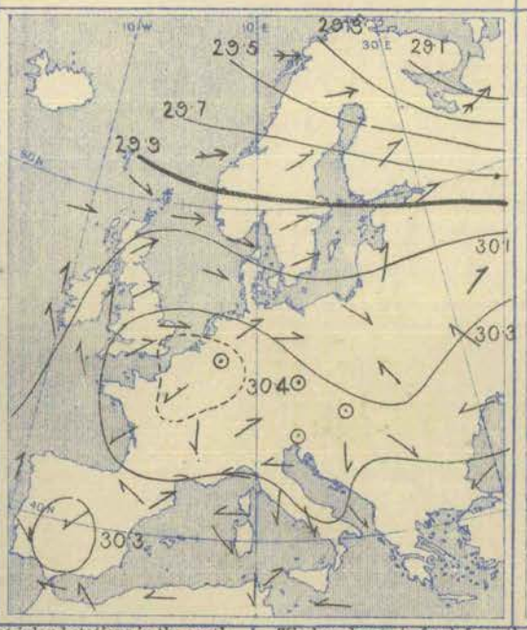
Barometer highest, 30·6 ins. and upwards over Wallachia; 30·2 ins. and upwards in an anticyclone embracing nearly the whole of central, southern, and south-eastern Europe. Lowest, 28·7 ins. and less in a depression lying over the north-west of Norway; gradients very steep over the central parts of Scandinavia, and rather steep over northern Europe generally. Depression subsequently travelling away to the north-eastward; barometer rising in all the more western and northern countries, and new anticyclone spreading in from the Atlantic over the south-western parts of Europe.

Monday, 18th November.

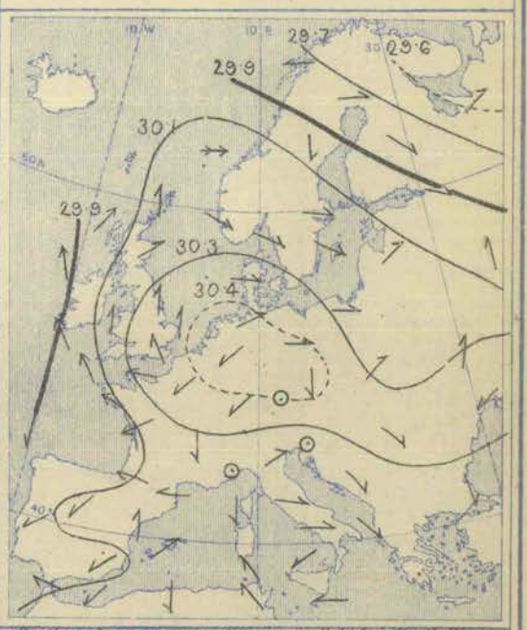
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over our Islands generally, but foggy at inland stations in the south-eastern parts of England. Fine over southern Europe, as well as in the west of France, Denmark, Sweden, and Finland; dull in most other parts of the Continent, with rain in the west of Norway, as well as at Archangel, a few of the Baltic stations, at Belfort, and at Limoges. Showers falling later on some parts of our own western and southern coasts; weather becoming dull in the west of France; heavy rain falling at Oporto.

Temperature fallen generally. Morning readings highest, 66° at Malta, 64° at Barcelona and Palma, 62° at Sfax; above 55° at the Mediterranean and Adriatic stations generally. Lowest, (1) 24° at Hermanstadt, and 31° at Kharkov and Nicolaieff; (2) 29° at Oxford, 32° at Loughborough, Cambridge, and in London, and 34° at Leith; below 40° in many parts of our Islands. Rising during day to between 50° and 55° at most of the English and Irish stations; exceeding 60° in the south of France, exceeding 70° at several of the Mediterranean stations, and reaching 84° at Cagliari. Frost occurring in many parts of Great Britain at night.

Wind moderate to fresh from the Southward on our own western coasts; light from South-West or West over the eastern parts of the United Kingdom. Moderate to strong from the Westward or South-Westward over northern Europe generally, with a gale in the west of Norway, and also at Archangel. Light and variable in Austria, Easterly in the south of Russia, Northerly or North-Westerly in Italy. Variable in Spain, Easterly over the greater part of France. Subsequently increasing to a strong breeze or moderate gale on our western coasts; backing to the Southward in the east of our Islands, but remaining light in force.

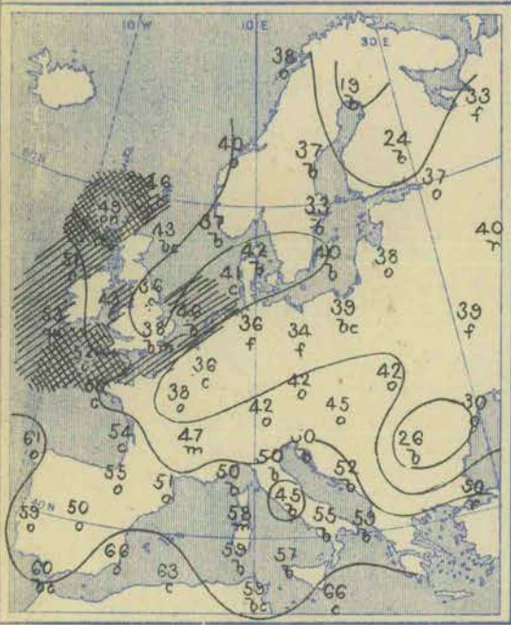
Barometer highest, 30·4 ins. and upwards over the south-east of England, the Netherlands, and the north-east of France, as well as in the south of Russia; 30·2 ins. and upwards in an anticyclone covering all the more central and southern parts of Europe. Lowest, 29·1 ins and less in a rather deep depression over the White Sea; 30·0 ins. and less in another disturbance approaching the extreme west or our Islands. Former depression subsequently moving away to north-eastward; western disturbance advancing steadily eastwards; barometer falling on our west and south-west coasts.

Wyman & Sons, Lt., Lith. 63, Carter Lane.

Tuesday, 19th November.

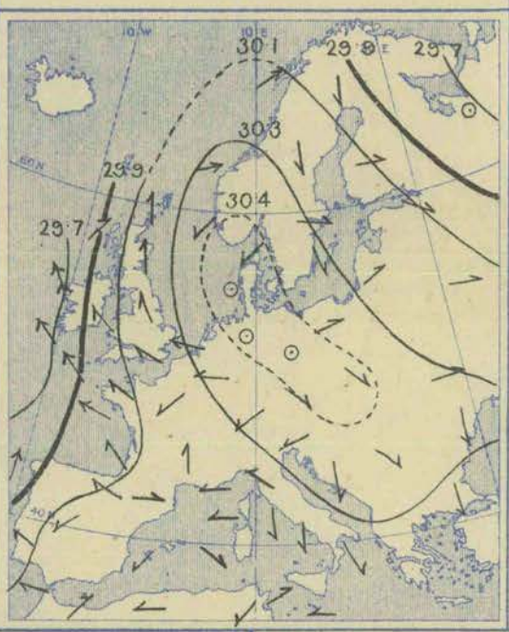
Temperature and Weather.

8 a.m.

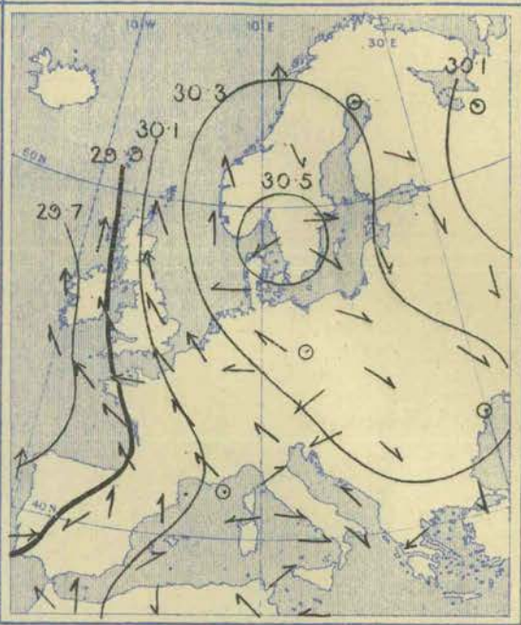


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over western and northern Europe generally, as well as in Austria, Italy, and the south of France, but dull in the extreme west and south-west of our Islands, as well as over Spain and the Bay of Biscay, with rain at Lorient. Dull over the greater part of Russia and Germany, with fog in many places, and with rain at Moscow. Rain falling later in the west and south-west of our Islands, and dull weather spreading to all but our eastern stations. Heavy rain falling at Lisbon.

Temperature risen over our Islands and France, but fallen elsewhere. Morning readings highest, 66° at Malta, 65° at Bilbao, 63° at Barcelona and Algiers, and 61° at Corunna; above 55° at the Mediterranean and Spanish coast stations generally, and above 50° in the extreme south-west of our Islands. Lowest, (1) 19° at Haparanda, 24° at Kuopio, and 30° at Karlstad; (2) 26° at Hermanstadt and 29° at Kharkov; (3) 30° at Loughborough, 33° at Cambridge, and 34° at Leith. Rising later to between 50° and 55° on our western and southern coasts generally; exceeding 65° over Spain and the southern parts of France and Italy, and reaching 73° at Biarritz and Bilbao.

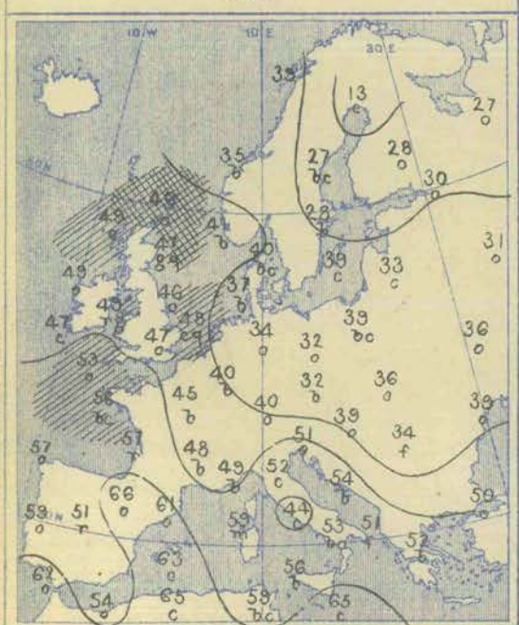
Wind South-Easterly over the greater part of our Islands, France, and Spain, but Southerly in the north of Scotland, strong to a gale in force on our west and south-west coasts. South-Westerly in the west of Norway. Varying between North and West over Sweden and Russia. Easterly or North-Easterly over the Netherlands, western Germany, and central France. Northerly over Italy and Austria. Subsequently increasing to a strong breeze on all the more exposed parts of our eastern coasts, and to a gale in the north of Scotland; backing to the Southward or South-Eastward in the west of Norway.

Barometer highest, 30·4 ins. and upwards over Germany, Denmark, and the south of Norway; 30·1 ins. and upwards in an anticyclone embracing all but the extreme western and north-eastern parts of Europe. Lowest, 29·7 ins. and less in a depression off the west of Ireland; 29·8 ins. and less in the north of Russia. Depression in west spreading slowly eastwards during day, and barometer falling steadily in most parts of our Islands and France. Russian disturbance moving away to the eastward.

Wednesday, 20th November.

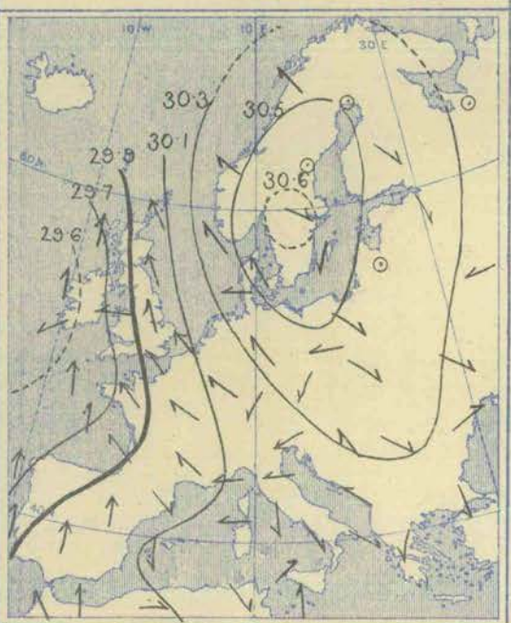
Temperature and Weather.

8 a.m.

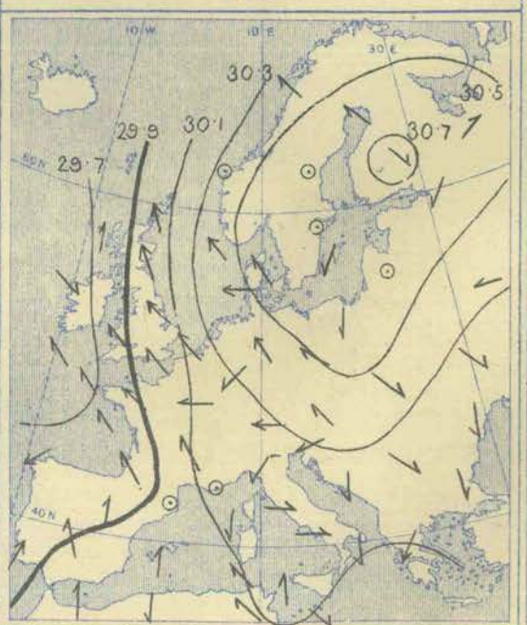


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull in our Islands, the west and north of France, and the Spanish Peninsula, with rain at several of our own western and south-western stations, as well as at Rochefort and Madrid. Fine in Scandinavia, Denmark, the Netherlands, and the central parts of France, dull over Russia, Germany, and Austria, with fog in many places. Rain falling later in all but the south-eastern parts of the United Kingdom, as well as in Spain and the west and south of France.

Temperature risen in most of the western and southern countries, but fallen elsewhere. Morning readings highest, 66° at Biarritz, 65° at Malta and Algiers, and 63° at Bilbao and Palma; above 55° in the west of France, and very little below it over the English Channel. Lowest, 13° at Uleaborg, 19° at Hernösand, 26° at Karlstad, and 27° at Archangel; below the freezing point over Sweden and northern Russia generally, and just equal to it at some of the German stations. Rising during day to 50° and upwards in many parts of our Islands, and reaching 55° or more on our south-west coasts; exceeding 60° over southern Europe generally, and reaching 72° at Biarritz, 75° at Palermo, and 81° at Cagliari.

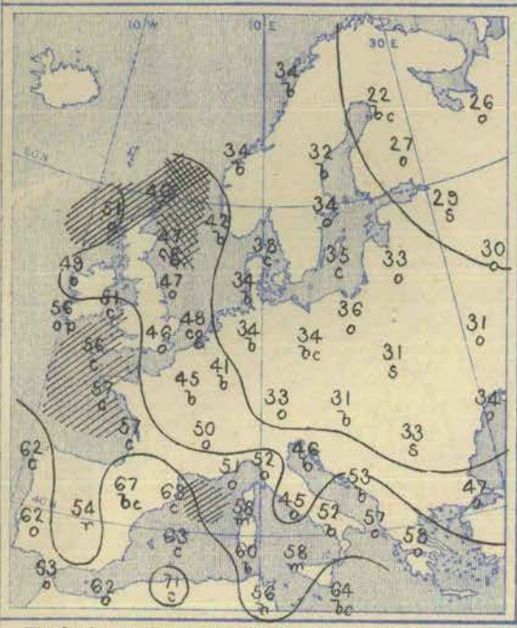
Wind South-Easterly over western Europe generally, and strong in force in many parts of our Islands, with a gale at Wick and Donaghadee; light from the North-Eastward in the south of Ireland. Calm in the north of Sweden; light from the Northward or North-Westward in Russia and the south of Sweden, as well as at many of the Austrian and Italian stations. Easterly in Germany; Southerly over the Spanish Peninsula. Subsequently increasing to a gale on our north-east coasts, wind shifting to the South-Eastward in the south of Ireland.

Barometer highest, 30·6 ins. and upwards in the south of Sweden; 30·3 ins. and upwards in an anticyclone covering the whole of northern and central Europe. Lowest, 29·6 ins. and less in a depression lying over and to the southward of Ireland; gradients rather steep over Great Britain and the North Sea. Depression in west beginning to disperse later, and barometer rising at all our western and southern stations.

Thursday, 21st November.

Temperature and Weather.

8 a.m.

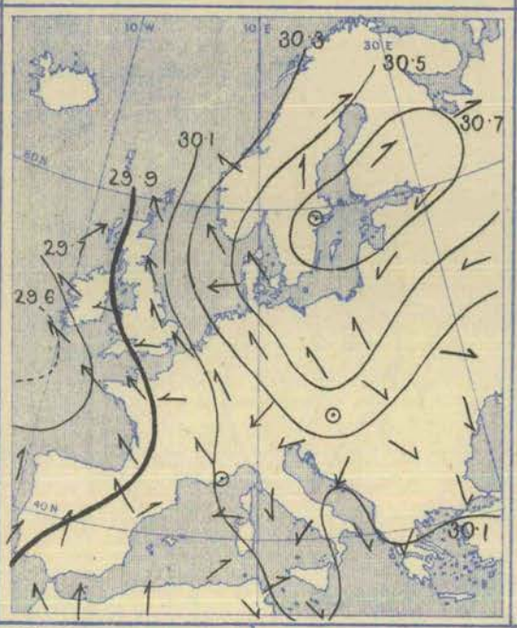


Weather in morning cloudy or dull in most parts of our Islands and the Continent, with rain in the south of Ireland, as well as at Sumburgh Head, Madrid, and Toulon, snow falling at St. Petersburg, Lemberg, and Hermanstadt. Fine and bright on the eastern shores of the North Sea, as well as at Paris, Brussels, and many of the German stations. Rain falling during day in all but the south-eastern parts of the United Kingdom, rather heavily on our extreme north and north-west coasts. Rain occurring also in the south of Italy.

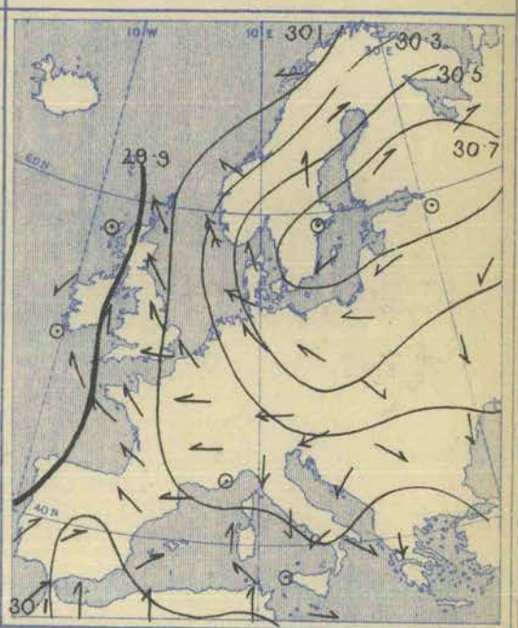
Temperature risen in the west and north of our Islands, and also in Spain, fallen in Russia and Austria, changed irregularly elsewhere. Morning readings highest, 71° at Algiers, 68° at Bilbao, and 67° at Biarritz; above 55° over the Bay of Biscay and the extreme south-west of our Islands. Lowest, 22° at Uleaborg, 26° at Archangel, 27° at Kuopio, and 28° at Helsingfors and Prague; below the freezing point in many parts of northern and central Europe. Rising during day to between 50° and 55° in most parts of our Islands, and reaching 59° at Scilly; exceeding 60° at many of the French stations, and exceeding 70° in the southern parts of Spain and Italy.

Barometer and Wind.

8 a.m.



6 p.m.



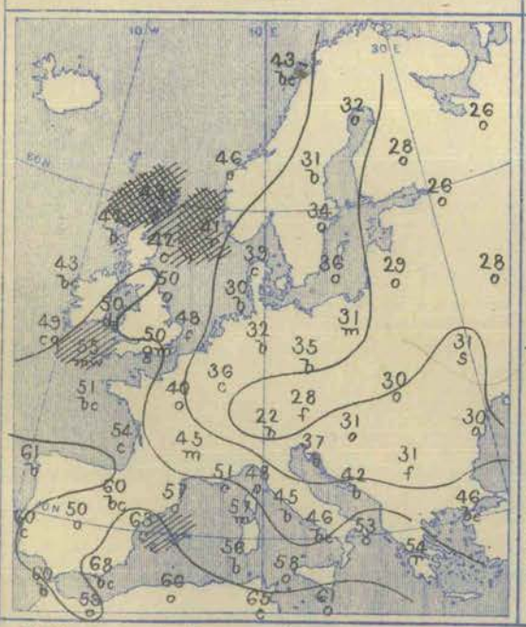
Wind South-Easterly over western Europe generally, and strong in force on many parts of our western and northern coasts, as well as in the south of Norway. Light from the Eastward or North-Eastward over the greater part of Russia, and from North or North-West in Austria and Italy; North-Easterly in Greece; variable over the western parts of the Mediterranean. Moderating later on our western and northern coasts, and shifting to the Northward in the west of Ireland. Increasing to a gale from the South-Eastward in the south-west of Norway.

Barometer highest, 30·7 ins. and upwards in Finland and the south of Sweden; 30·2 ins. and upwards in an anticyclone covering the whole of northern, central, and eastern Europe. Lowest, 29·6 ins. and less in a depression lying off the south-west of Ireland. Depression filling up later, and barometer rising in all parts of our Islands and France, rather briskly in the south-west.

Friday, 22nd November.

Temperature and Weather.

8 a.m.

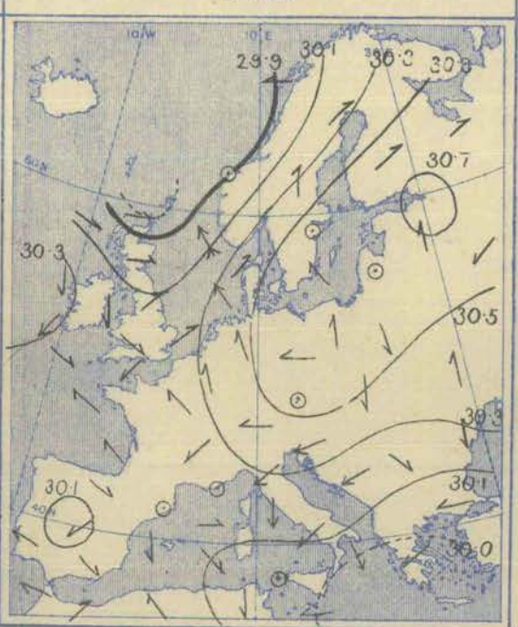


Weather in morning foggy over the greater part of England, cloudy in Ireland and Scotland, with rain at Roche's Point. Fine over Denmark, Germany, the Netherlands, the west of France, the Spanish coasts, and central Italy, dull in most other parts of the Continent, with rain at Athens, and snow at Warsaw, Kiev, and Nicolaieff. Fog clearing later over England, rain falling over western Europe generally, rather heavily over the Netherlands and the north of France. Aurora seen at Wick.

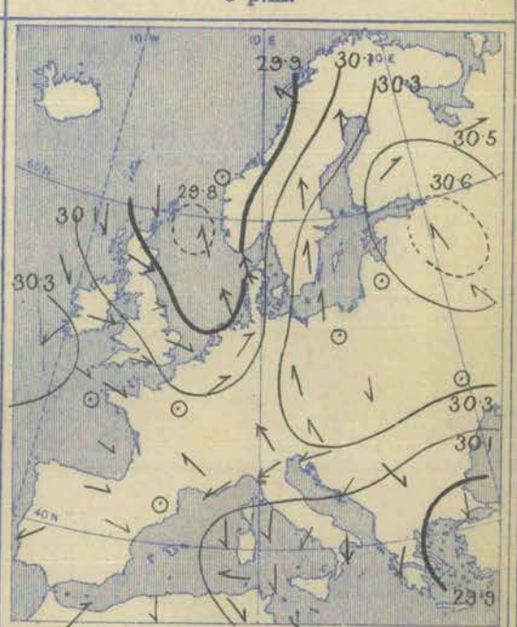
Temperature fallen in most countries, but risen a little at some of the English stations, and to a greater extent in Norway. Morning readings highest, 65° at Algiers, 63° at Barcelona and Sfax, and 62° at Bilbao; above 55° at many of the Mediterranean and Spanish coast stations, and also in the Channel Islands. Lowest, 22° at Munich, 26° at Archangel, St. Petersburg, and Nicolaieff, and 27° at Kharkov; below the freezing point in many parts of northern, eastern, and central Europe. Rising during day to 50° and upwards over England and the south of Ireland, to 57° at Cambridge, and to 58° at Jersey. Exceeding 60° in the west and south of France, Spain, and the south of Italy, and reaching 70° at Palermo.

Barometer and Wind.

8 a.m.



6 p.m.

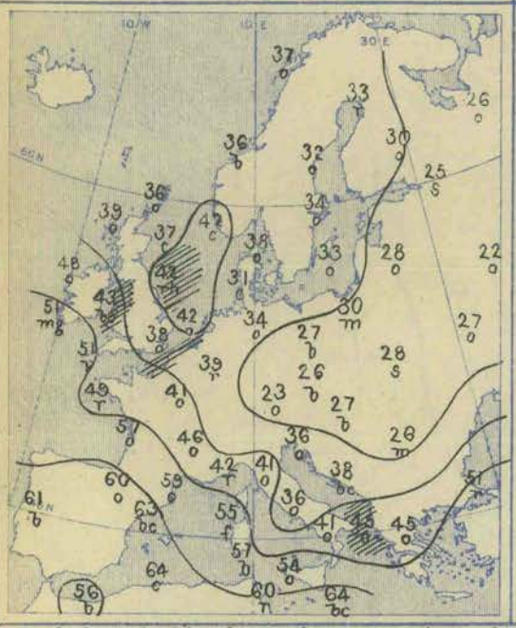


Wind calm or light from the South-Westward over England; moderate to fresh from the Westward in Scotland, and from the North-Westward or Northward in Ireland; South-Easterly on the eastern shores of the North Sea, with a strong gale at Skudesnaes; Southerly or South-Westerly in Sweden and Finland. Northerly over Austria, eastern Germany, and the south of Russia; North-Easterly over Italy and the Adriatic; Easterly over western Germany, France, and the Spanish Peninsula. Subsequently veering to the Westward over Ireland, and to the North-Westward or Northward in Scotland; shifting to West or North-West in the west of France.

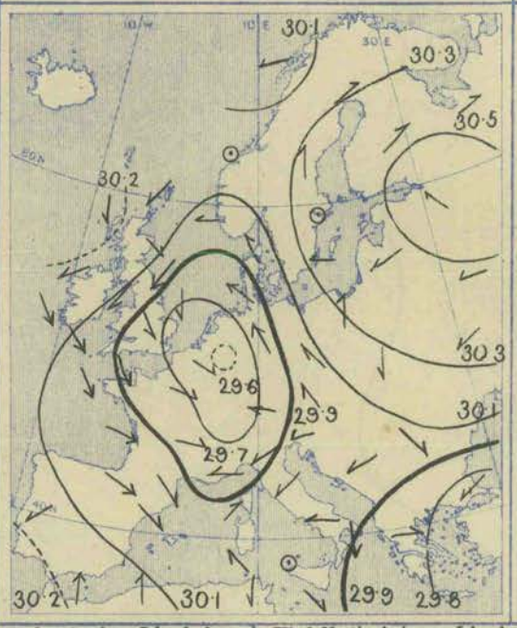
Barometer highest, 30·75 ins. at St. Petersburg; 30·3 ins. and upwards in an anticyclone embracing the whole of Sweden, Russia, Germany, and Austria, and also in another system off the west of Ireland. Lowest, 29·8 ins. and less in a depression lying to the northward of the Shetlands; 30·0 ins. and less over Greece and the eastern parts of the Mediterranean. Depression subsequently passing eastwards to the Norwegian coast, but moving quickly southwards at night, and uniting with other disturbances which formed over the southern parts of the North Sea.

Saturday, 23rd November.

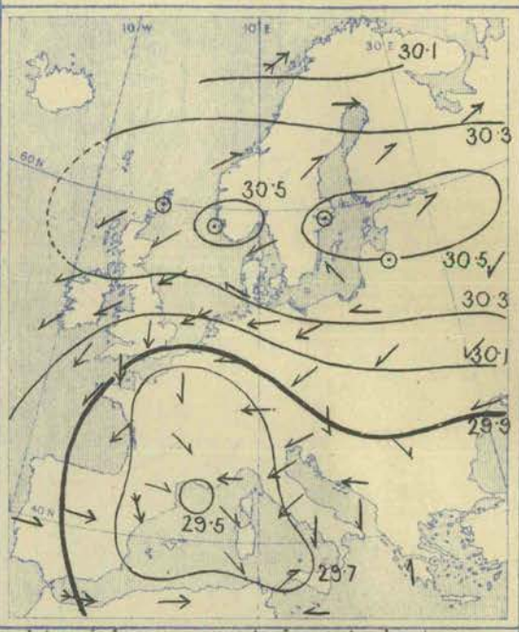
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the western, northern, and central parts of our Islands, but showery on our east and south coasts, with hail or sleet in places. Fine in Germany, as well as at some of the Norwegian stations, but dull in most other parts of the Continent, with rain in France and Belgium, and with snow at St. Petersburg and Lemberg. Rain or sleet falling during day in most parts of Great Britain, and large quantities over the south of France and northern Italy—as much as 1·8 ins. at Toulon. Aurora seen in the north of Scotland.

Temperature fallen several degrees over Great Britain, as well as in Germany, Austria, and Italy, changed irregularly elsewhere. Morning readings highest, 64° at Malta and Algiers, 63° at Barcelona, 61° at Lisbon, and 60° at Biarritz; above 55° over the central and southern parts of the Mediterranean generally, and above 50° in the extreme south-west of our Islands. Lowest, 22° at Moscow, 23° at Munich, and 25° at St. Petersburg and Vienna; below the freezing point at most of the Russian, German, and Austrian stations. Daily maxima below 45° at several of our own northern and central stations, as well as in Belgium and the north of France; exceeding 60° in Spain and the southern parts of France and Italy, and reaching 72° at Lisbon.

Wind Northerly in our Islands and strong in force on many parts of our east and west coasts; strong from the North-Westward in the north and west of France; Westerly or South-Westerly over central France; South-Easterly over Germany and Denmark, and Easterly on the Norwegian coasts. South-Westerly over the northern parts of Sweden and Russia, but Easterly over the central and southern parts of Russia. Light from the North-Westward in Austria; Northerly or North-Easterly in Italy and Spain; Easterly in the south of France. Subsequently veering to the North-Eastward over our Islands and the north and west of France, and increasing to a gale on the east and south-east coasts of England.

Barometer highest, 30·5 ins. and upwards over the northern parts of Russia; 30·2 ins. and upwards in an anticyclone embracing the greater part of northern and eastern Europe, and also in another area off the north-west of Scotland. Lowest, 29·6 ins. and less in a depression over the Netherlands; 29·7 ins. and less in another disturbance over Asia Minor. Former depression subsequently moving southwards across France, and barometer rising briskly on our east and south coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week a large anticyclone drifted across Europe in a north-easterly direction, the system finally taking up its position over Scandinavia and northern Russia. As it passed away from our neighbourhood a depression spread gradually over our Islands from the Atlantic, and South-Easterly breezes, with dull damp weather, set in over all the more western countries, the wind rising to the force of a gale on our own western and northern coasts.

On the 21st, the depression in the west filled up, and by the following morning a new anticyclone had appeared off the Irish coasts. A shallow depression now advanced to the west of Norway, while on the night of the 22nd, a deeper disturbance was formed over the Netherlands and the southern parts of the North Sea, the wind over our Islands shifting to the Northward, and blowing very strongly on the English coasts, with showers of hail or sleet in the east and south-east. Later on, when the latter disturbance moved southward over France, a strong North-Easterly gale sprang up in the south-east of England, while heavy rain fell over the south of France and northern Italy.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 278.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	12·1	?	22	?	EASTBOURNE	10·2	?	17	?
OSWALDKIRK (Yorkshire)	14·5	?	26	?	MANCHESTER (Oldham Road)	9·5*	?	17*	?
WORKSOP	14·1	+ 3·4	25	+ 7	TENBY	17·7*	?	30*	?
THURCASTON (Leicestershire)	17·7	+ 7·8	31	+13	NEWQUAY	18·1	?	30	?
MARGATE	12·3	?	21	?	TORQUAY	16·4*	?	27*	?
WESTBOURNE (Sussex)	12·7*	?	22*	?	ARLEY COTTAGE (County Cavan)	20·0	?	36	?
BRIGHTON	13·9	?	24	?	GUERNSEY	15·2*	?	24*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd., Lith, 63, Carter Lane.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.: JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 48.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 30TH, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 284.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	24	44·7	33·0	40·4	1 above	8	− 4	23	+ 1	2135	+287	959	+302
	1. SCOTLAND, EAST	50	23	44·1	37·7	41·0	2 above	6	− 7	17	−11	2351	+ 9	1160	+454
	2. ENGLAND, N.E.	49	33	45·9	40·7	43·4	3 above	15	0	4	−16	2740*	+248	873	+281
	3. ENGLAND, EAST	52	29	47·1	39·1	43·1	3 above	20	+ 3	8	−12	3100	+201	943	+273
	4. MIDLAND COUNTIES	52	31	45·7	39·2	42·5	3 above	15	− 3	8	−15	3047	+208	1043	+361
	5. ENGLAND, SOUTH	54	32	48·8	40·8	44·9	3 above	25	− 1	3	−13	3351	+185	818	+325
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	27	46·4	38·4	42·4	2 above	18	+ 1	10	− 5	2573	+149	881	+392
	7. ENGLAND, N.W.	52	31	46·7	39·7	43·2	1 above	18	0	6	− 8	2865	+225	789	+308
	8. ENGLAND, S.W.	57	30	49·6	42·3	46·0	2 above	28	− 2	0	− 8	3143	+174	709	+361
	9. IRELAND, NORTH	50	27	46·2	37·9	42·0	1 above	12	− 8	11	− 6	2656	+ 59	725	+287
	10. IRELAND, SOUTH	57	26	45·7	39·8	44·3	1 above	25	− 4	6	− 7	2937	− 16	554	+214
	—CHANNEL ISLANDS	58	37	52·1	45·0	48·6	2 above	46	+ 1	0	− 2	3730	+289	364	+249

Rainfall.

	DISTRICTS. (See p. 284.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	4	9 less	217	− 7	44·2	− 2·7
	1. SCOTLAND EAST	3	3	4 less	177	− 7	28·4	− 1·1
	2. ENGLAND, N.E.	4	6	1 less	174	+ 2	26·4*	+ 1·7
	3 ENGLAND, EAST	4	6	0 (average)	151	−17	22·9	− 1·4
	4. MIDLAND COUNTIES	4	9	2 more	147	−19	23·0	− 3·8
	5. ENGLAND, SOUTH	4	8	1 more	143	−18	22·9	− 2·8
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	3	10 less	180	−13	34·0	−13·3
	7. ENGLAND, N.W.	3	3	5 less	165	−14	29·5	− 3·1
	8. ENGLAND, S.W.	4	7	3 less	155	−32	32·2	− 4·7
	9. IRELAND, NORTH	4	3	6 less	196	−14	32·1	− 1·2
	10. IRELAND, SOUTH	4	5	4 less	170	−22	33·7	− 2·1
	—CHANNEL ISLANDS	6	5	5 less	175	−24	27·5	− 3·5

Bright Sunshine.

	DISTRICTS. (See p. 284.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	10	+ 4	21	+ 6	1070	− 2	28	0
	1. SCOTLAND EAST	1	− 9	1	−20	1334	+152	35	+ 3
	2. ENGLAND, N.E.	2	− 9	3	−17	1437	+237	34	+ 5
	3 ENGLAND, EAST	4	− 6	8	−11	1672	+225	41	+ 6
	4. MIDLAND COUNTIES	3	− 6	5	−11	1544	+245	37	+ 6
	5. ENGLAND, SOUTH	2	− 7	4	−14	1739	+212	40	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	10	+ 2	20	+ 5	1390	+106	33	+ 3
	7. ENGLAND, N.W.	7	+ 1	13	+ 1	1331	+215	35	+ 5
	8. ENGLAND, S.W.	10	− 1	17	− 3	1798	+245	43	+ 6
	9. IRELAND, NORTH	18	+ 6	33	+12	1328	+159	32	+ 4
	10. IRELAND, SOUTH	17	+ 5	30	+ 8	1465	+ 70	35	+ 2
	—CHANNEL ISLANDS	12	0	20	0	2010	+276	50	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather was almost continuously dull over England and the east of Scotland, with a great deal of mist. Over Ireland and the west and north of Scotland, the sky was frequently clear, especially during the earlier half of the period. Very little rain fell in any part of the Kingdom until the middle of the week, but from that time the falls were frequent, and in some places rather considerable.

Temperature was rather low during the earlier part of the period, but subsequently rose, and gradually became high for the time of year. The average values for the week were consequently again above the normal, the excess ranging from 1° in most of the western and north-western districts, to 3° in the north-east, east, and south. The highest of the maxima were recorded towards the end of the week, and varied from 58° in the Channel Islands, and 57° in England S.W. and Ireland S., to 49° in England N.E. The lowest of the minima occurred either on the 24th or 25th, when they ranged from 23° to 27° in Scotland, from 26° to 27° in Ireland, and from 29° to 33° over England. In the Channel Islands the lowest reading was 37°.

Rainfall exceeded the mean in England S. and the Midland counties, and just equalled it in England E. In all other districts there was a deficit, that in Scotland N. and W. being considerable.

Bright Sunshine was very deficient over England and the east of Scotland, but exceeded the mean in Ireland and the north and west of Scotland. The percentage of the possible duration ranged from 33 in Ireland N., and 30 in Ireland S., and from 21 in Scotland N., and 20 in Scotland W. and the Channel Islands, to between 13 and 3 over the greater part of England, and to 1 in Scotland E.

Barometer and Wind.—During the earlier days of the week an anticyclone was lying over the northern parts of our Islands and the North Sea. By Wednesday, however, the barometer had fallen decidedly, and a disturbance appeared off our south-west coasts, and spread north-eastwards over the Kingdom. Towards the end of the week a well-defined depression moved slowly in an east-north-easterly direction over the more southern and central parts of the Kingdom. The Easterly to North-Easterly winds prevalent during the first two or three days of the week, and which blew a hard gale in the south-east and south, gave way to South-Easterly breezes generally, but by the end of the week the latter had shifted to the South-Westward or Westward at all our more southern and south-western stations.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 283 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
											Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ⚓	47	34	45·6	38·9	42·3	+ 2·1	15	9	4	0·41	−0·56	*	*	*	*
	Stornoway	48	28	46·0	35·3	40·7	+ 0·5	11	27	2	0·33	−0·84	10·2	+ 3·8	21	+ 6
	Wick	47	33	45·6	39·3	42·5	+ 3·2	15	8	4	0·20	−0·47	*	*	*	*
	Glencarron ⚓	47	25	42·5	33·2	37·9	− 0·5	1	32	3	0·57	−1·63	*	*	*	*
	Fort Augustus ⚓	50	24	43·6	33·5	38·6	− 0·6	4	31	4	0·53	−0·51	7·3	†	15	†
	Fort William ⚓	50	29	45·0	35·6	40·3	+ 0·2	8	25	4	0·62	−1·26	13·6	†	27	†
1. SCOTLAND, E.	Nairn	47	23	43·9	30·6	37·3	− 1·7	5	42	2	0·02	−0·50	*	*	*	*
	Aberdeen	46	37	45·1	41·9	43·5	+ 4·0	11	0	3	0·64	−0·06	* 0·5	− 9·3	1	−20
	Braemar ⚓	44	32	41·3	36·0	38·7	+ 2·7	0	23	2	0·04	−0·82	1·2†	††	2†	††
	Ochtertyre ⚓	46	37	44·0	40·1	42·1	+ 3·8	9	5	4	0·42	−0·58	*	*	*	*
	Leith ⚓	50	35	46·3	40·1	43·2	+ 2·3	16	5	4	0·08	−0·39	*	*	*	*
	Marchmont ⚓	?	36	?	29·3	?	?	?	?	4	0·49	−0·29	0·5	†	1	†
2. ENGLAND, N.E.	Alnwick Castle	46	40	44·6	41·9	43·3	+ 3·5	10	0	4	0·56	−0·19	*	*	*	*
	Durham	47	33	45·0	39·1	42·1	+ 3·2	13	8	5	0·36	−0·36	0·2	−10·6	0	−21
	Shields	49	37	46·3	40·9	43·8	+ 3·1	17	3	4	0·43	−0·24	*	*	*	*
	Scarborough ⚓	47	35	45·9	41·0	43·5	+ 2·4	15	3	5	0·85	+0·07	*	*	*	*
	York	49	35	47·4	39·4	43·4	+ 3·5	21	7	4	0·51	+0·01	0·0	− 6·8	0	−13
	Spurn Head	47	39	45·9	42·1	44·0	+ 2·7	14	0	4	0·59	+0·06	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	50	33	46·9	39·9	43·4	+ 3·9	19	6	4	0·45	−0·17	3·3	− 6·4	6	−12
	Yarmouth	50	38	47·0	41·3	44·2	+ 3·2	18	2	4	0·64	−0·01	*	*	*	*
	Geldeston	51	31	47·3	39·6	43·5	+ 2·7	21	7	4	0·60	−0·02	3·9	− 8·3	7	−15
	Cambridge	52	29	47·9	36·6	42·3	+ 2·4	25	15	4	0·36	−0·11	7·5	− 4·3	13	− 7
	Rothamsted	51	29	46·4	38·0	42·2	+ 2·3	18	11	5	1·10	+0·50	2·7	†	5	†
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	49	32	46·3	40·4	43·4	+ 3·6	17	4	5	1·07	+0·57	*	*	*	*
	Loughborough	50	34	46·1	39·7	42·9	+ 2·9	16	6	5	0·92	+0·42	*	*	*	*
	Stamford (Ketton Hall)	50	31	46·1	39·1	42·6	+ 2·7	16	8	4	0·95	+0·35	*	*	*	*
	Cheadle ⚓	48	33	44·0	38·0	41·0	+ 1·9	6	15	4	0·62	−0·08	*	*	*	*
	Solihull	50	32	45·1	38·5	41·8	+ 1·8	9	14	4	0·81	?	*	*	*	*
	Churchstoke ⚓	50	33	44·1	37·8	41·0	+ 1·1	6	17	4	0·68	−0·12	5·8	− 3·2	11	− 6
	Hereford ⚓	51	35	46·4	39·7	43·1	+ 2·1	17	6	4	0·92	+0·33	*	*	*	*
	Cirencester	52	33	46·4	39·6	43·0	+ 3·5	17	7	4	1·10	+0·40	3·0	− 7·0	5	−13
	Oxford	52	33	47·1	40·1	43·6	+ 3·1	19	5	3	0·60	+0·07	1·7	− 7·5	3	−15
5. ENGLAND, S.	London	52	35	47·4	39·7	43·6	+ 2·1	21	6	4	0·77	+0·25	0·2†	− 5·8†	0†	−10†
	North Foreland	52	36	48·1	40·1	44·1	+ 1·7	23	5	1	0·29	?	*	*	*	*
	Strathfield Turgiss ⚓	53	32	48·3	38·9	43·6	+ 3·3	24	9	3	0·66	+0·08	*	*	*	*
	Dungeness	52	33	49·0	40·9	45·0	+ 2·3	26	3	4	0·65	−0·08	*	*	*	*
	Hastings (St. Leonards)	54	35	49·2	40·8	45·0	+ 2·3	26	3	4	1·10	+0·38	2·5	−10·0	4	−19
	Southampton	53	36	49·5	41·4	45·5	+ 3·0	27	2	4	0·81	+0·09	3·6	− 6·2	6	−12
	Hurst Castle	54	39	50·7	43·9	47·3	+ 3·8	37	0	4	0·91	+0·23	*	*	*	*
	Stowell ⚓	53	35	48·5	40·9	44·7	+ 3·5	24	3	5	1·08	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	49	27	? 47·8	35·8	? 41·8	? + 0·8	? 16	? 26	3	0·30	−1·90	*	*	*	*
	Glasgow	47	36	44·7	40·2	42·5	+ 2·7	11	5	3	0·39	−0·49	1·3	− 2·9	3	− 5
	Ardrossan	49	36	46·0	39·1	42·6	+ 0·8	16	8	2	0·13	−0·75	*	*	*	*
	Glenlee ⚓	49	30	45·7	37·3	41·5	+ 2·3	10	19	4	0·20	−1·30	*	*	*	*
	Douglas (Isle of Man)	50	32	48·0	39·5	43·8	+ 1·1	23	7	2	0·33	−0·57	19·5	+ 7·7	56	+15
7. ENGLAND, N.W.	Stonyhurst	48	34	45·0	39·6	42·3	+ 2·2	12	7	4	0·58	−0·50	11·7	+ 3·7	22	+ 7
	Blackpool ⚓	52	34	48·0	39·0	43·5	+ 2·6	23	8	4	0·11	−0·67	12·6	+ 4·8	23	+ 8
	Manchester (Prestwich)	51	31	46·3	38·8	42·6	+ 2·6	18	9	4	0·43	−0·35	5·1	?	9	?
	Liverpool Obsy. (Bidston)	51	35	46·6	39·1	42·9	+ 1·1	18	8	3	0·24	−0·41	*	*	*	*
	Llandudno ⚓	51	35	47·1	41·2	44·2	+ 0·6	19	2	2	0·21	−0·61	2·2	− 5·9	4	−10
	Holyhead	50	36	47·1	40·3	43·7	− 1·1	19	5	3	0·24	−0·64	*	*	*	*
8. ENGLAND, S.W.	Llandovery	53	30	48·0	37·6	42·8	+ 1·0	24	12	5	0·36	−0·80	*	*	*	*
	Pembroke	53	38	48·4	41·9	45·2	− 0·2	23	0	2	0·26	−0·70	15·0	+ 3·7	27	+ 7
	Bristol (Montpelier)	53	36	48·2	41·7	45·0	+ 3·2	22	1	5	0·93	+0·12	*	*	*	*
	Arlington (N. Devon)	54	35	49·6	40·4	45·0	+ 3·0	23	4	3	0·83	−0·59	*	*	*	*
	Cullompton ⚓	55	36	49·7	42·5	46·1	+ 4·1	29	0	4	0·88	0·00	7·4	− 0·9	13	− 2
	Falmouth	57	37	51·2	45·0	48·1	+ 1·9	43	0	6	0·63	−0·62	8·2	− 4·8	14	− 9
	Plymouth	57	39	51·0	45·3	48·2	+ 3·5	43	0	5	0·93	+0·15	8·1	− 2·9	14	− 6
	Prawle Point	54	38	50·4	44·1	47·3	+ 2·5	37	0	5	1·01	+0·19	*	*	*	*
9. IRELAND, N.	Malin Head	48	36	46·4	40·6	43·5	+ 1·7	16	4	3	0·33	?	*	*	*	*
	Londonderry	49	31	45·7	36·5	41·1	+ 0·1	10	22	5	0·27	−0·71	*	*	*	*
	Edenfel (Omagh)	47	32	44·4	36·6	40·5	+ 0·5	7	21	5	0·27	−0·57	*	*	*	*
	Belmullet	50	34	47·0	39·1	43·1	− 2·2	20	8	4	0·31	?	*	*	*	*
	Markree Castle	50	27	46·9	34·5	40·7	− 0·2	14	30	4	0·22	−0·56	21·1	+11·5	39	+20
	Brookeborough	49	? 24	46·0	36·6	41·3	+ 1·5	11	22	4	0·15	−0·87	*	*	*	*
	Armagh	48	30	45·9	37·3	41·6	+ 1·5	11	19	3	0·47	−0·23	13·4	+ 2·0	25	+ 4
	Donaghadee	50	41	47·6	42·9	45·3	+ 3·0	23	0	4	0·19	−0·52	*	*	*	*
	Edgeworthstown	49	32	45·9	36·6	41·3	+ 0·5	11	22	3	0·25	−0·60	*	*	*	*
10. IRELAND, S.	Dublin	51	42	48·7	44·0	46·4	+ 3·4	31	0	3	0·47	−0·17	7·8	− 5·9	14	−11
	Parsonstown	53	30	47·9	38·1	43·0	+ 1·6	23	11	4	0·35	−0·35	19·4	+ 7·7	35	+13
	Kilkenny	53	35	47·7	40·6	44·2	+ 1·2	21	4	3	0·85	+0·20	*	*	*	*
	Roche's Point	53	38	49·6	42·7	46·2	+ 1·1	29	0	3	0·78	−0·37	*	*	*	*
	Valencia	57	30	50·9	39·1	45·0	− 1·4	33	8	5	0·41	−0·83	23·7	+13·2	42	+22
	Killarney	55	26	48·7	35·2	42·0	− 2·1	19	19	5	0·42	?	*	*	*	*
	Foynes	53	36	47·5	38·9	43·2	+ 0·1	21	9	3	0·43	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	40	53·0	46·1	49·6	+ 1·6	53	0	6	0·43	−0·51	14·1	?	24	†
	Jersey	58	37	51·1	43·9	47·5	+ 1·3	39	0	6	0·56	−0·40	11·6	− 0·3	19	− 2

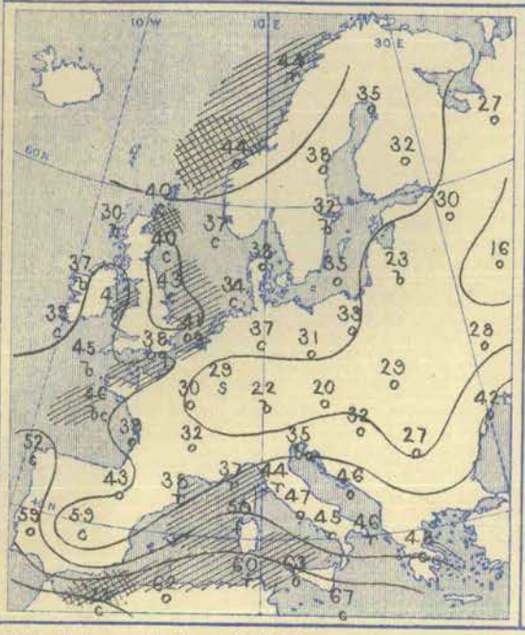
Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 24th November.

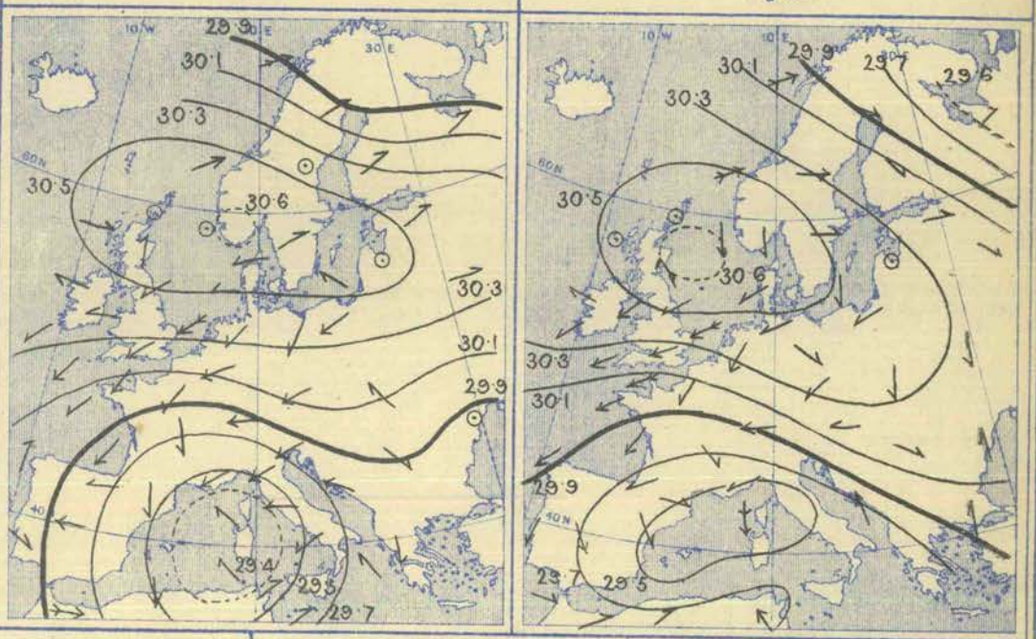
Temperature and Weather. 8 a.m.



Weather in morning fine and bright in several parts of the British Islands (more particularly in the west), also at several stations over the southern parts of Scandinavia and the Baltic; dull elsewhere. Quiet over Scotland, the northern half of the North Sea, and the Baltic; unsettled elsewhere, with rain over the Mediterranean and at Odessa; snow at Brussels. Considerable rain over the south of Spain, the Mediterranean, the Adriatic, and Black Sea later, as well as in the west of Lapland; weather remaining dry over the United Kingdom.

Temperature fallen decidedly over Scotland and the south of Scandinavia. Morning readings highest, 73° at Oran, and above 60° on the southern shores of the Mediterranean as a whole; 59° at Lisbon, 52° at Corunna, 45° at Scilly, 44° at Bodö, much lower elsewhere. Lowest, (1) 16° at Moscow, and 25° to 30° over Russia generally; 20° to 32° over South Germany, 30° to 37° over the greater part of Scotland, 38° in London. Remaining cold over Europe during day, but rising to 75° in some parts of Algeria.

Barometer and Wind. 8 a.m. and 6 p.m.

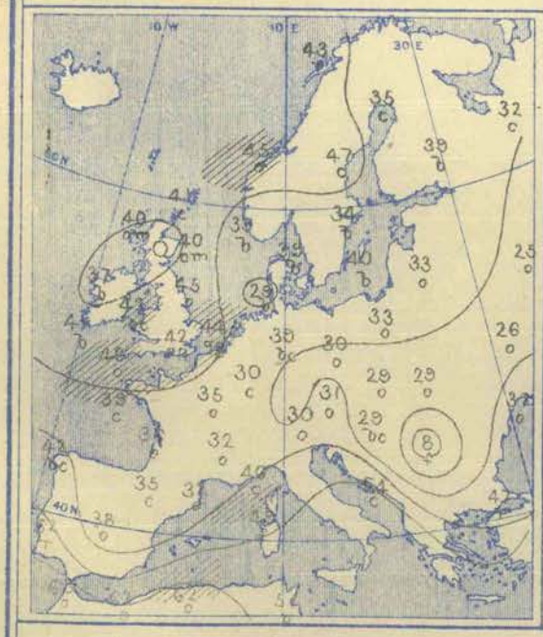


Wind (1) light and anticyclonic over Scotland, the southern half of Scandinavia and the Baltic; (2) Westerly moderate to a gale over northern Europe; (3) Easterly fresh to a gale over central and western Europe (gale strong in Straits of Dover); (4) a well-marked cyclonic circulation prevalent over the Mediterranean: an Easterly gale at Leghorn. Not much change later, but a Northerly gale felt at Sanguinaire, and a South-Easterly gale over the Adriatic.

Barometer highest, 30·6 ins. to 30·4 ins. in a well-marked anticyclone, covering the northern parts of the British Islands and North Sea, the southern half of Scandinavia, and the Baltic. Lowest, below 29·4 ins. in a large depression over the Baltic (gradients steep over France), and below 29·9 ins. over Lapland, the Kola Peninsula, and the White Sea (gradients steep over the north of Scandinavia and Gulf of Bothnia). Northerly depression moving easterly later, that over the Mediterranean undergoing great modification.

Monday, 25th November.

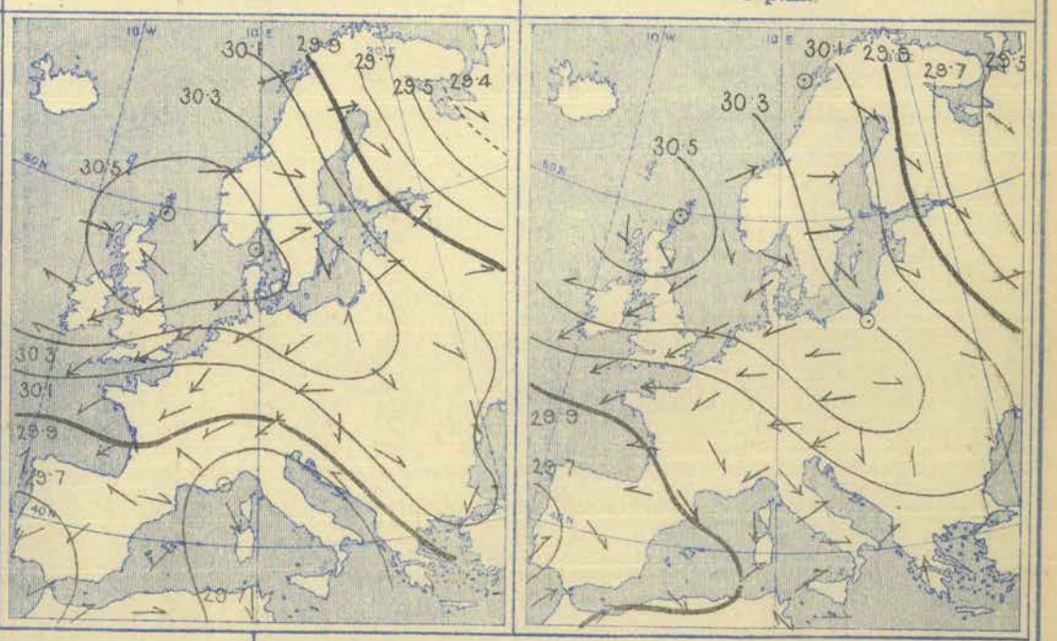
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over the western and northern parts of our Islands, and on the eastern shores of the North Sea, cloudy or overcast at most of the Continental stations, and over the central and eastern parts of England; rainy at Bodo on the one hand, and at Lisbon on the other. Rain later in all the northern parts of Norway, at the mouth of the Channel, and in the south of France—amounts small. Sky becoming overcast in the United Kingdom generally.

Temperature fallen decidedly in some parts of Scotland and over Hungary, risen over France. Morning readings highest, 62° at Nemours and Algiers, 55° at Palma, 54° at Lesina, 52° at Lisbon; below 50° elsewhere, 46 at Scilly. Lowest, 8° Fahr. at Hermanstadt, 26° at Kiev and Warsaw, 29° at Lemberg and Cracow, 30° at Munich, Breslau, and Berlin; 25° at Moscow, 29° at Kharkov, 32° at Archangel, 24° at Nairn. Rising somewhat in Scotland later, and falling a little over England and France.

Barometer and Wind. 8 a.m. and 6 p.m.

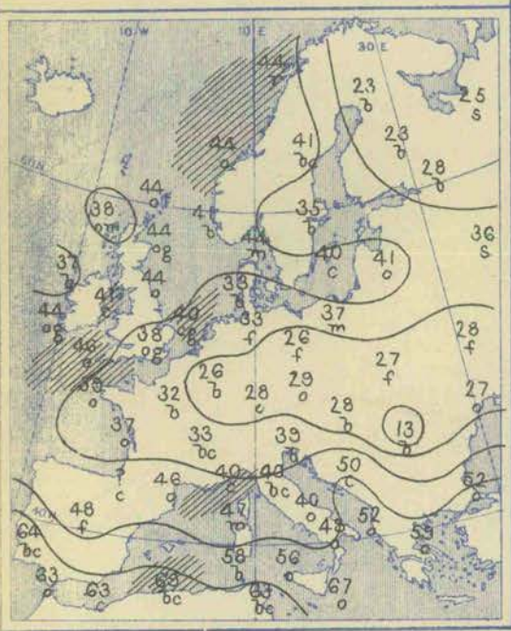


Wind (1) Westerly over the northern parts of Scandinavia, and blowing hard at Bodo; North-Westerly to Northerly and moderate over Finland and the Baltic; calm over Scotland; (2) Easterly light over Ireland; East-North-Easterly strong to a gale over the south of England and the Channel, and a strong gale on the east and south coasts of Kent; East-North-Easterly strong over the Bay of Biscay, and South-Easterly to South-Westerly over Algeria. Gale in the south moderating later.

Barometer highest, 30·5 ins. and more to 30·4 ins. in an anticyclone having its central area over Scotland, the west of Norway and the North Sea, and stretching as a ridge to North Germany. Lowest, (1) below 29·4 ins. over the north of Russia; (2) below 29·7 ins. in two large depressions—one over the eastern parts of the Mediterranean, the other over the south-western parts of the Iberian Peninsula, Morocco, and the neighbouring parts of the Atlantic. Falling over our Islands all day, but rising over France.

Tuesday, 26th November.

Temperature and Weather. 8 a.m.

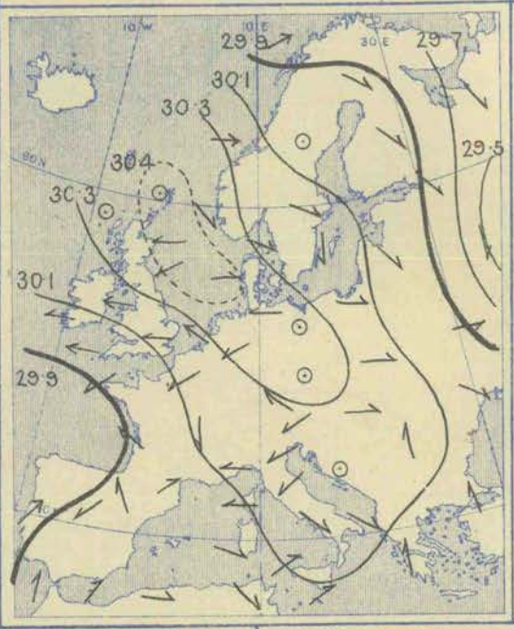


Weather in morning fine and bright over Sweden, Finland, and the eastern shores of the North Sea, also over France, and several of the stations on the Atlantic coasts of our Islands, and Portugal, foggy over Germany and western Russia. Some rain later over Norway and the north of Scotland, also over the south-western parts of the British Isles—heaviest, 0·50 in. at Roche's Point. Weather very changeable over Great Britain, and as a whole sunless.

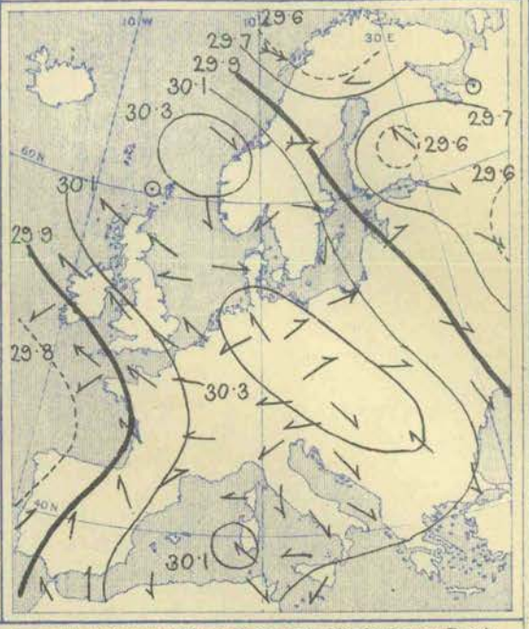
Temperature risen over Scotland and some parts of Ireland, as well as over Russia, fallen fast over Finland, slightly over France and the south of England. Highest, 69° at Algiers, 67° at Malta, and above 60° on the north coast of Africa generally, 64° at Lisbon, 56° at Bilbao and at Patras. Lowest, 13° at Hermanstadt, 23° at Kuopio, 25° at Archangel, 24° at Munster, 26° at Brussels, Berlin, and Breslau, and below the freezing point over central Europe generally. Succeeding night frosty over England, and very cold in south Germany (minimum 19° at Munich.)

Barometer and Wind.

8 a.m.



6 p.m.

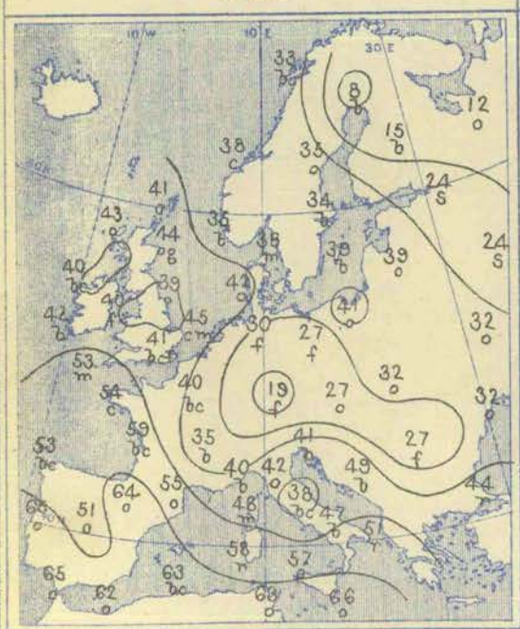


Wind Westerly and strong over the north of Norway; North-Westerly to Northerly over Russia, the Baltic, and Sweden; mainly Easterly or South-Easterly over the British Islands and the north and west of France; North-Easterly in the south, almost calm over the northern half of the North Sea. The South-Easterly wind spreading to Scotland later, while in Norway the Westerly breeze gave way to one from the Northward.

Barometer highest, 30·4 ins. and more to 30·2 ins. in a large anticyclone covering the North Sea and all adjacent countries, and stretching south-eastward to central Europe. Lowest, (1) 29·5 ins. and less in a large low pressure area over Russia; (2) below 29·9 ins. in another over the Bay of Biscay and adjacent parts of the Atlantic, and 29·73 ins. at Ponta Delgada (Azores). Falling over our Islands later, rising over northern Europe.

Wednesday, 27th November.

Temperature and Weather. 8 a.m.

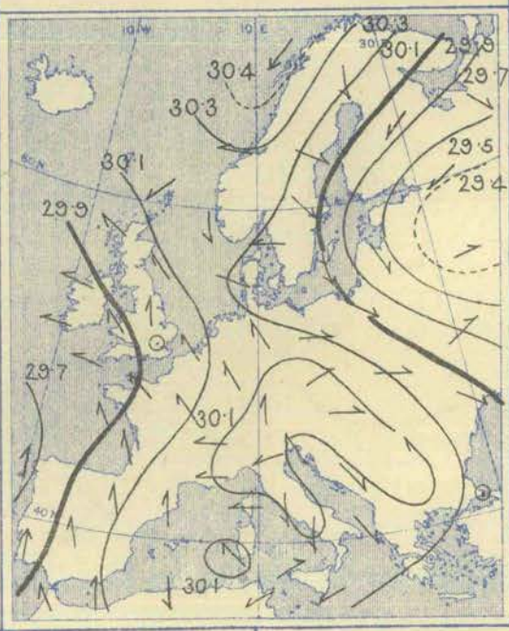


Weather in morning in a very unsettled condition over Russia, with snow in several places, unsettled also over Great Britain, with rain in places, fine over Ireland, France, and the greater part of Italy. Some rain falling later in all parts of our Islands, but amounts reported small. Thick wet fogs experienced in many parts of England at night—especially in London, where the fog was very dense after 10 p.m.

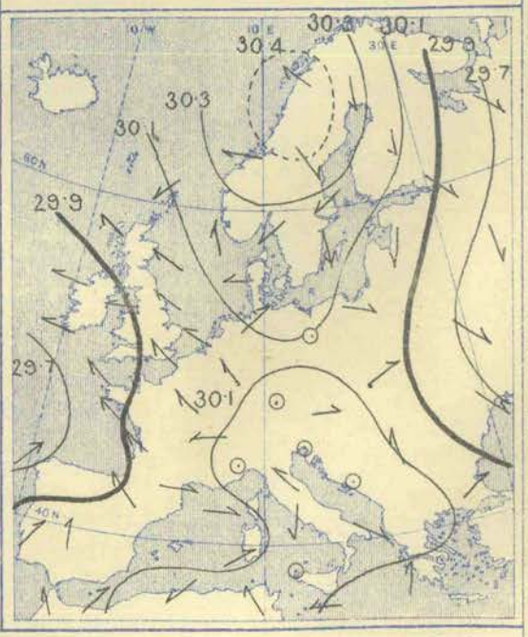
Temperature rising decidedly over Hungary, France, and the south of our Islands, fallen fast over nearly the whole of Russia, Finland, and a good deal of Germany. Highest, 66° at Malta, 65° at Lisbon, 64° at Biarritz, 53° at Scilly. Lowest, (1) 8° Fahr. at Haparanda, 12° at Archangel, 15° at Kuopio, 24° at St. Petersburg, Moscow, and Kharkov; (2) 19° at Munich, 23° at Wiesbaden, and below 30° over central Europe generally. Rising decidedly over the British Islands later; air very humid.

Barometer and Wind.

8 a.m.



6 p.m.



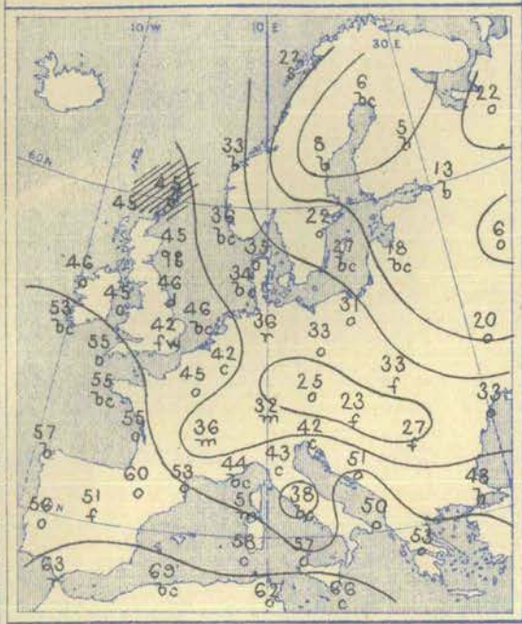
Wind (1) North-North-Westerly strong to a gale over the Baltic; moderate over Sweden; Westerly to South-Westerly light over Poland and the south of Russia; (2) nearly calm over Germany and the east of France; (3) South-Easterly over the British Isles and Bay of Biscay; Southerly over the Peninsula. No change over our Islands later, but veering to South-West over some parts of Spain.

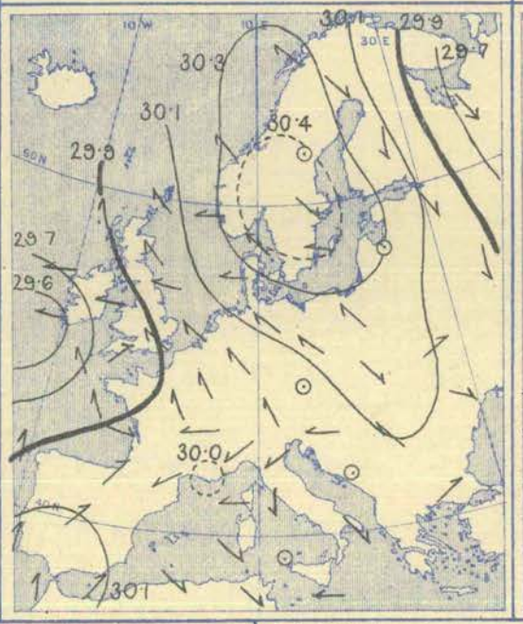
Barometer highest, (1) 30·2 ins. and more to 30·1 ins. in an anticyclone of irregular form covering central Europe and the Mediterranean; (2) 30·4 ins. and more to 30·1 ins. in another over Norway, the two systems being united by a "col" lying over the North Sea. Lowest, 29·4 ins. and less in a large depression over central Russia, and below 29·7 ins. in another over the Atlantic to the westward of Corunna. Atlantic depression subsequently spreading north-eastwards, and barometer falling slowly over western Europe generally.

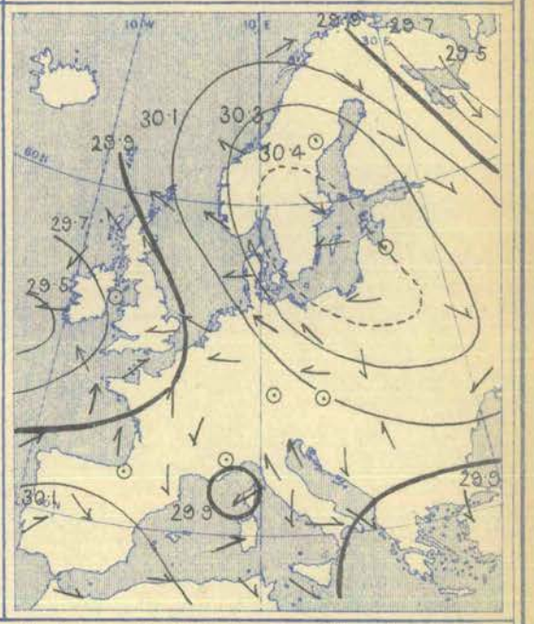
Wyman & Sons, Ltd., Lith., 63, Carter Lane

Thursday, 28th November.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine and bright over Scandinavia, Finland, and Russia, also over Turkey, Greece, and many parts of the Mediterranean, and some parts of our own south-west coasts. Very gloomy and rainy over the British Islands as a whole, with wet fog in many parts of England, dull over Germany, with snow at Breslau, foggy over Austria-Hungary. Rain falling later in all parts of the British Islands and several parts of France—greatest falls being 0·35 in. at Yarmouth, 0·43 in. at Cape Gris Nez, and 0·54 in. in London.

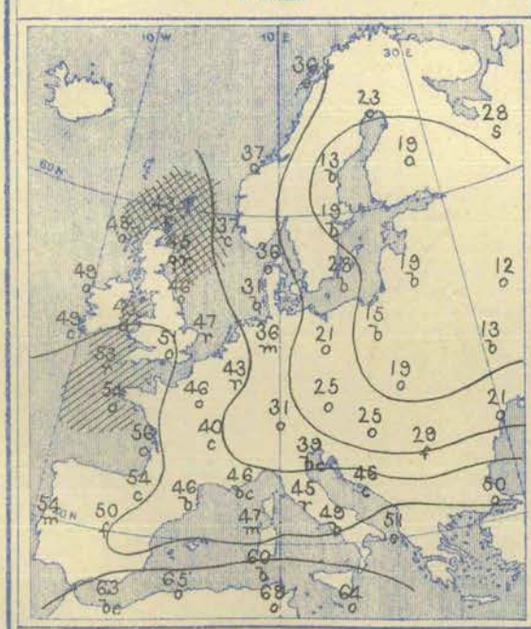
Temperature rising decidedly over the British Islands, fallen fast over northern Europe. Highest, 69° at Algiers, 66° at Malta, 63° at San Fernando and Bilbao, 55° to 50° at the English Channel stations, 53° at Valencia. Lowest, − 1° Fahr. at Kharkov, + 5° at Uleaborg and Kuopio, 6° at Moscow, 12° at Helsingfors, 25° at Munich, 27° at Buda Pesth and Münster. Continuing to rise over our Islands all day, and touching 57° at Scilly.

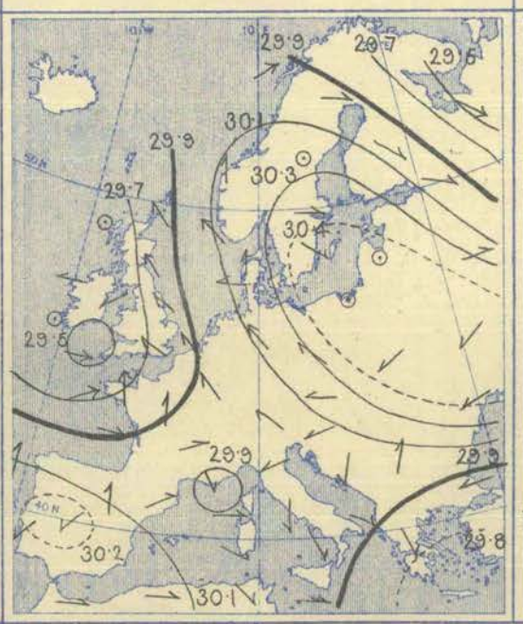
Wind light to moderate and anticyclonic over the Baltic, Germany, and the eastern shores of the North Sea; light to moderate and variable over the Baltic; moderate to fresh from East and South-East over the British Islands; light South-South-Easterly to South-South-Westerly over France and Spain. Becoming rather stronger at Scilly later, very little change elsewhere.

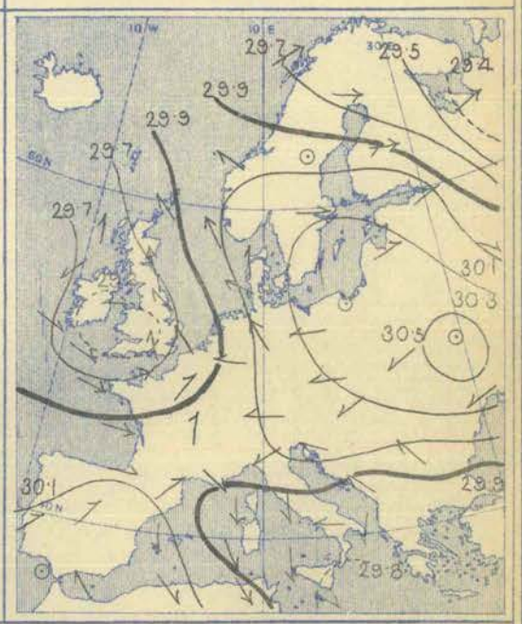
Barometer highest, 30·4 ins. and more to 30·0 ins. in a large anticyclone covering northern and central Europe, and exceeding 30·0 ins. at most of the Mediterranean stations. Lowest, (1) 29·7 ins. and less over the north-east of Russia, and below 29·9 ins. over southern Russia; (2) below 29·6 ins. in a depression off the south-west of Ireland; 29·7 ins. at Ponta Delgada (Azores). Falling later over our Islands generally, but beginning to rise in the Azores and Portugal.

Friday, 29th November.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine and bright at most of the Mediterranean stations, also over Sweden, the Baltic, Germany, Poland, and the south of Russia. Very dull and unsettled elsewhere, with rain and wet mist in many parts of the British Islands, snow at Archangel. Rain falling later in nearly all parts of the British Islands and France, snow in the west and south of Germany.

Temperature risen decidedly over the British Islands, and still more quickly over northern Europe. Morning readings still exceeding 60° on the southern shores of the Mediterranean, and exceeding 50° on the Atlantic coasts of Spain, France, and England. Lowest, 10° at Kharkov, 12° at Warsaw, and below 20° at most stations in the west and south of Russia, 13° at Hernösand, 14° at Carlstad, 15° at Neufahrwasser, 28° at Münster. Rising to between 50° and 54° over England later, to 61° at Rochefort and Toulon, 64° at Biarritz, and 70° at Algiers and Palermo, but falling to 16° at Berlin in the night.

Wind (1) South-Westerly to North-Westerly over northern Europe, and blowing strongly both at Archangel and Bodö; South-Easterly over Germany and the North Sea; (2) Westerly to Southerly in the English Channel; South-Easterly on our northern coasts; Easterly to Northerly in the west; (3) light and variable in the Mediterranean. Blowing very strongly from South-East in the east of Scotland later, but becoming North-Westerly over the south-western counties of England.

Barometer (1) highest, 30·4 ins. and more to 30·0 ins. in a large anticyclone covering the greater part of central Europe, the south and west of Russia, and the eastern shores of the North Sea; (2) 30·2 ins. and more to 30·0 ins. over the Spanish Peninsula. Lowest, (1) below 29·5 ins. in the north of Russia, and about the same value in a depression over the Bristol Channel and south-west of England; (2) below 29·9 ins. in the Azores, and in a small depression over the Mediterranean. Rising somewhat at our western stations later, but as the depression in that region moved east-north-eastwards slowly, falling a little both over the Baltic and the Azores.

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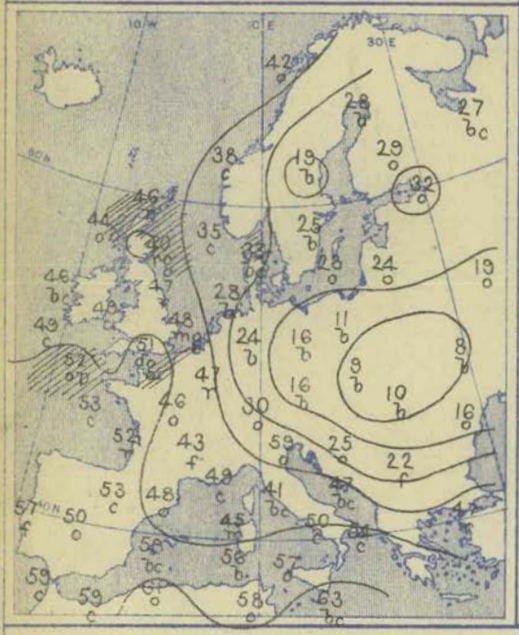
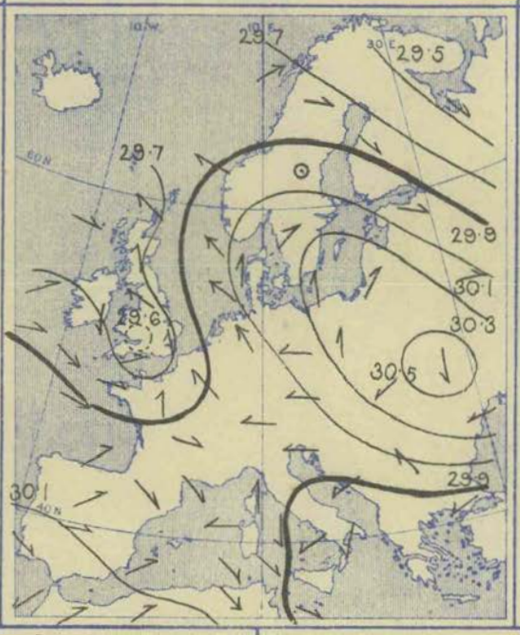
Saturday, 30th November.

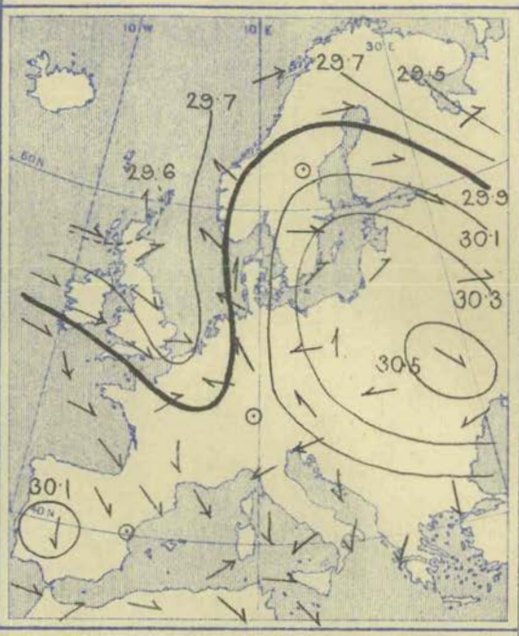
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and central Europe, as well as over several parts of the Mediterranean, dull elsewhere, very gloomy and unsettled over Great Britain, the Netherlands, and north-east of France, with rain and wet mist in places. Some rain later in nearly all parts of the British Islands and western Europe, but amounts small except at Biarritz.

Temperature in morning highest, 63° at Malta, 61° at Algiers, 50° at San Fernando, and exceeding 60° in the west of France and south of our Islands generally. Lowest, - 1° Fahr. at Kharkov, + 8° at Kiev, 9° at Warsaw, 10° at Lemberg and Neufahrwasser, and much below the freezing point over Russia and central Europe as a whole. Falling somewhat over our Islands later, and remaining very cold over central Europe.

Wind light and anticyclonic over central and south-eastern Europe; South-Easterly and strong on the eastern shores of the North Sea; South-Westerly to Westerly and strong over northern Europe; South-Easterly light on our north-east coasts; South-Westerly moderate in the south-east; Westerly in the south, and North-Westerly in the west. Becoming Westerly or North-Westerly all over the United Kingdom later, no material change elsewhere.

Barometer highest, 30·5 ins. and more to 30·0 ins. in an anticyclone covering the eastern and central countries of Europe, and 30·2 ins. to 30·0 ins. in another system in the extreme south-west. Lowest, below 29·4 ins. over the north-east of Russia, and below 29·6 ins. in a small but well-marked depression over the north-east of England. Latter system reaching the North Sea later, and barometer rising in our Islands.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the depression, which on the previous Friday and Saturday has travelled southwards across the Netherlands and France, lay over the Mediterranean, and a well-formed anticyclone had appeared over Scotland and the south of Scandinavia. Cold North-Easterly gales and strong winds were prevalent over all the southern parts of the British Islands, the English Channel and northern parts of France; over northern Europe, however, there was a breeze from the Westward which attained the force of a gale in some places.

After Tuesday a great change occurred. High pressure systems became very prevalent over the North Sea and central Europe, while a rather complex low pressure area spread over the British Islands and France from the Atlantic. Mild, damp South-Easterly winds became prevalent over western and north-western Europe, cold North-Westerly to Northerly winds over Russia and Finland, the former being accompanied by much mist and considerable rain.

At the close of the week, however, the anticyclone was moving south-eastwards over Russia, a well-defined depression was advancing eastwards over England, while in Ireland and the Bay of Biscay a cool North-Westerly breeze was setting in, accompanied by drier weather and increasing pressure.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 284.

Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	0·0		1		EASTBOURNE	4·7		4	
OSWALDKIRK (Yorkshire)	4·4		8		MANCHESTER (Oldham Road)	5·1*		6*	
WORKSOP	1·7	- 7·1	2	- 14	TENBY				
THURCASTON (Leicestershire)	2·5	- 5·4	5	- 10	NEWQUAY	13·5		26	
MARGATE	1·6		2		TORQUAY	4·2*		7*	
WESTBOURNE (Sussex)	2·2*		4*		ARLEY COTTAGE (County Cavan)	10·7		20	
BRIGHTON	2·3		4		GUERNSEY	9·3*		16*	

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd., 74 & 75, Great Queen Street, Lincoln's Inn Fields, W.C.2.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 49.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 7TH, 1895. [*Price 6d. Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

DISTRICTS. (See p. 290.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	53	28	43·5	34·0	38·9	0 (average)	4	− 5	30	+ 4	2139	+282	989	+306
1. SCOTLAND, EAST	53	25	43·4	33·0	38·4	0 (average)	4	− 7	34	+ 1	2355	+ 2	1194	+455
2. ENGLAND, N.E.	54	30	46·2	37·0	41·8	2 above	12	+ 1	22	− 3	2752	+249	895	+278
3. ENGLAND, EAST	58	32	48·1	36·2	42·4	3 above	27	+14	16	− 8	3127	+215	959	+265
4. MIDLAND COUNTIES	57	28	47·9	36·9	42·6	4 above	26	+12	14	−15	3073	+220	1057	+346
5. ENGLAND, SOUTH	56	30	49·9	38·7	44·5	3 above	31	+10	9	−13	3382	+195	827	+312
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	54	31	46·4	37·7	42·3	2 above	20	+ 6	12	− 3	2593	+146	893	+384
7. ENGLAND, N.W.	54	31	48·4	40·4	44·6	4 above	25	+12	4	−14	2890	+237	793	+294
8. ENGLAND, S.W.	55	28	50·3	41·0	45·8	3 above	31	+ 7	3	−10	3174	+181	712	+351
9. IRELAND, NORTH	53	26	46·4	36·9	41·9	1 above	12	− 5	23	+ 3	2668	+ 54	748	+290
10. IRELAND, SOUTH	58	30	49·6	40·7	45·4	2 above	29	+ 5	4	−12	2966	− 11	558	+202
—CHANNEL ISLANDS	55	40	53·3	45·2	49·4	3 above	52	+13	0	− 3	3782	+302	364	+246

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 290.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	7	30	17 more	224	− 5	47·2	− 1·1	2	− 2	4	− 5	1072	− 4	28	0
1. SCOTLAND EAST	6	13	6 more	183	− 6	29·7	− 0·5	10	+ 9	20	+17	1344	+161	36	+ 4
2. ENGLAND, N.E.	4	2	4 less	178	+ 3	26·6	+ 1·3	15	+ 9	28	+16	1452	+246	34	+ 5
3 ENGLAND, EAST	3	2	4 less	154	−19	23·1	− 1·7	15	+ 5	28	+ 8	1687	+229	40	+ 5
4. MIDLAND COUNTIES	5	4	2 less	152	−18	23·4	− 4·0	13	+ 5	24	+ 9	1557	+250	37	+ 6
5. ENGLAND, SOUTH	4	3	4 less	147	−18	23·2	− 3·2	15	+ 5	27	+ 9	1754	+217	4	+ 5
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	6	20	7 more	186	−12	36·0	−12·6	6	− 1	12	− 2	1396	+104	33	+ 3
7. ENGLAND, N.W.	7	11	3 more	172	−12	30·6	− 2·8	·5	0	9	0	1336	+215	35	+ 5
8. ENGLAND, S.W.	6	8	2 less	161	−31	33·0	− 5·0	9	− 1	15	− 2	1807	+244	42	+ 5
9. IRELAND, NORTH	7	12	4 more	203	−12	33·3	− 0·8	10	− 1	18	− 4	1338	+158	32	+ 4
10. IRELAND, SOUTH	6	6	3 less	176	−21	34·3	− 2·4	16	+ 5	30	+ 9	1481	+ 76	35	+ 2
—CHANNEL ISLANDS	6	5	4 less	181	−24	28·0	− 3·9	6	− 5	11	−10	2016	+271	50	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week was very unsettled and stormy over the whole Kingdom. Rain fell daily in the west and north, the amounts in many places being twice, and in some places three times the mean; in the east and south, however, the falls were slight and less frequent. At the end of the period showers of hail, sleet, or snow were experienced.

Temperature was high during the greater part of the week, but fell quickly towards its close. The average values for the week just equalled the normal in Scotland N. and E., but exceeded it in all other districts, the excess ranging from 1° in Ireland N., to 3° or 4° over the greater part of England. The highest of the maxima were recorded on the 4th in the north, and on the 5th at the more southern stations, and ranged from 58° in England E. and Ireland S., and 57° in the Midland counties, to 53° in Scotland N. and E., and in Ireland N. The lowest of the minima occurred at the end of the week, when they ranged from 25° in Scotland E., to 32° in England E., and to 40° in the Channel Islands.

Rainfall was considerably in excess of the mean over Scotland and the north of Ireland, and to a smaller extent in England N.W., but in all other districts there was a deficit.

Bright Sunshine exceeded the normal amount in most parts of England, as well as in Scotland E. and Ireland S., and just equalled it in England N.W. Elsewhere there was a deficiency. The percentage of the possible duration ranged from 30 in Ireland S., and 28 in England N.E. and E., to 9 in England N.W., and to 4 in Scotland N. At Dublin the percentage recorded was as high as 39, and that at Aberdeen 37.

Barometer and Wind.—During the whole of this period the winds and weather over our Islands were affected by large low pressure systems, the centres of which lay far to the northward of us. During the earlier half of the week the prevailing Southerly to Westerly winds were fresh or strong in force, but by the 10th, when a new, deep, and very large depression was approaching the west of Norway, the wind increased to a very strong gale from the Westward very generally, and blew with exceptional force at some of the northern stations. Subsequently, as the centre of the depression moved south-eastwards, strong winds or gales from the North-Westward and Northward were experienced, with a rapid decrease of temperature, very keen air, and showers of hail or snow.

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II.—DATA from which the SUMMARY on page 289 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
9. SCOTLAND, N.	Sumburgh Head	46	32	42·0	35·7	39·0	− 0·8	0	21	7	1·29	+0·32	*	*	*	*
	Stornoway	50	29	43·6	33·6	38·8	− 1·0	4	32	7	2·58	+1·35	4·2	− 1·8	9	− 5
	Wick	48	28	41·0	33·0	37·2	− 1·3	0	34	7	2·25	+1·58	*	*	*	*
	Glencarron ⛵	49	28	43·2	32·1	37·9	− 0·1	3	37	7	4·19	+2·04	*	*	*	*
	Fort Augustus ⛵	53	29	44·9	33·1	39·2	+ 0·6	8	35	7	15	+3·10	0·3	?	1	?
	Fort William ⛵	53	32	46·1	36·4	41·4	+ 1·7	11	24	7	3·64	+1·67	1·6	?	3	?
1. SCOTLAND, E.	Nairn	51	28	42·7	32·6	37·9	− 0·4	2	35	6	1·54	+1·06	*	*	*	*
	Aberdeen	51	29	42·9	33·7	38·5	− 0·1	3	31	5	0·77	+0·07	17·8	+ 9·0	37	+17
	Braemar ⛵	47	25	?41·8	?30·4	?36·3	?+ 1·0	0	?40	7	2·02	+1·25	2·0†	?†	4†	?†
	Ochtertyre ⛵	52	28	43·7	31·6	37·9	+ 0·3	5	39	6	1·86	+0·89	*	*	*	*
	Leith	53	31	46·	36·7	41·6	+ 1·4	11	23	6	0·64	+0·22	*	*	*	*
	Marchmont ⛵	?	25	?	32·3	?	?	?	?	7	0·74	−0·01	10·5	?	21	?
2. ENGLAND, N.E.	Alnwick Castle	53	30	44·3	36·0	40·3	+ 1·2	6	24	3	0·20	−0·52	*	*	*	*
	Durham	54	30	47·2	34·5	41·1	+ 2·9	15	32	5	0·33	−0·39	16·5	+ 6·5	32	+12
	Shields	53	31	45·7	36·7	41·4	+ 1·4	10	23	3	0·18	−0·46	*	*	*	*
	Scarborough ⛵	?52	32	46·2	36·7	41·6	+ 1·4	12	23	2	0·10	−0·57	*	*	*	*
	York	53	32	47·5	38·4	43·1	+ 4·1	23	10	5	0·40	−0·10				
	Spurn Head	51	34	46·4	39·7	43·2	+ 2·9	18	6	3	0·07	−0·43	*	*	*	*
3. ENGLAND, E.	Hillington ⛵	56	32	46·7	35·8	41·5	+ 3·0	13	27	4	0·27	−0·33	11·5	+ 2·7	22	+ 4
	Yarmouth	55	32	46·7	36·4	41·8	+ 1·9	13	25	4	0·15	−0·43	*	*	*	*
	Geldeston	57	32	48·3	36·1	42·4	+ 2·4	28	17	3	0·21	−0·39	17·0	+ 5·7	31	+10
	Cambridge	58	32	49·6	36·3	43·2	+ 4·2	32	16	2	0·12	−0·33	15·4	+ 5·1	29	+11
	Rothamsted	55	32	49·1	36·4	43·0	+ 4·0	31	16	4	0·13	−0·45	17·0	?	31	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	32	48·3	37·9	43·3	+ 4·3	26	11	5	0·43	−0·07	*	*	*	*
	Loughborough	54	32	48·1	37·1	42·3	+ 3·4	23	14	4	0·56	+0·06	*	*	*	*
	Stamford (Ketton Hall)	57	31	48·6	35·1	42·1	+ 3·1	30	19	5	0·46	−0·12	*	*	*	*
	Cheadle ⛵	53	31	46·2	35·2	40·9	+ 2·7	12	28	5	0·68	−0·01	*	*	*	*
	Solihull	52	31	46·0	37·0	41·7	+ 2·9	11	22	4	0·23	?	*	*	*	*
	Churchstoke ⛵	52	28	48·2	37·7	43·2	+ 4·0	26	12	7	0·65	−0·12	11·3	+ 3·1	21	+ 5
	Hereford ⛵	55	32	49·0	38·7	44·1	+ 3·9	29	9	4	0·28	−0·39	*	*	*	*
	Cirencester	54	30	48·3	35·0	41·9	+ 3·2	18	31	3	0·12	−0·56	15·5	+ 6·3	2	+12
	Oxford	54	33	48·7	38·1	43·6	+ 4·0	28	11	7	0·13	−0·29	18·7	+10·3	35	+19
5. ENGLAND, S.	London	56	34	49·0	38·3	43·7	+ 3·1	29	11	3	0·12	−0·37	9·5†	+ 4·5†	18†	+ 9†
	North Foreland	56	34	49·1	28·0	43·8	+ 2·5	29	11	1	0·03	?	*	*	*	*
	Strathfield Turgiss ⛵	56	30	49·8	36·2	43·3	+ 4·0	33	16	5	0·21	−0·32	*	*	*	*
	Dungeness	53	34	50·3	39·0	44·9	+ 5·1	33	8	5	0·15	−0·33	*	*	*	*
	Hastings (St. Leonards)	55	35	50·3	39·4	45·1	+ 3·5	33	7	5	0·43	−0·27	18·4	+ 6·4	33	+11
	Southampton	56	34	50·9	39·4	45·4	+ 3·9	35	7	5	0·16	−0·54	12·6	+ 3·3	23	+ 5
	Hurst Castle	54	31	51·1	41·7	46·6	+ 4·0	33	1	4	0·54	−0·12	*	*	*	*
	Stowell ⛵	54	32	48·4	37·8	43·3	+ 3·1	27	12	7	0·59	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	?	32	?	35·9	?	?	?	?	7	2·78	+0·60	*	*	*	*
	Glasgow	51	31	45·2	34·9	40·3	+ 1·2	9	29	6	2·13	+1·24	4·2	+ 0·4	9	+ 2
	Ardrossan	51	34	46·0	40·7	43·5	+ 2·5	16	4	6	1·17	+0·32	*	*	*	*
	Glenlee ⛵	51	31	46·0	36·3	41·3	+ 3·1	11	24	7	3·32	+1·34	*	*	*	*
	Douglas (Isle of Man)	54	33	48·5	39·0	43·9	+ 1·9	26	8	5	0·78	−0·29	7·3	− 3·5	14	− 6
7. ENGLAND, N.W.	Stonyhurst	53	31	46·3	37·9	42·3	+ 3·1	19	11	7	2·32	+1·24	8·1	+ 1·1	16	+ 3
	Blackpool ⛵	53	35	49·2	41·8	45·7	+ 5·7	27	1	7	0·78	+0·06	4·8	− 1·5	9	− 4
	Manchester (Prestwich)	52	32	48·2	37·2	42·9	+ 3·8	26	13	7	1·20	+0·41	3·4	?	6	?
	Liverpool Obsy. (Bidston)	54	35	48·1	41·4	44·9	+ 4·0	23	2	6	0·81	+0·21	*	*	*	*
	Llandudno ⛵	54	35	49·5	41·8	45·8	+ 3·9	27	1	7	0·79	−0·01	7·1	+ 0·2	13	0
	Holyhead	54	35	49·1	42·1	45·7	+ 1·6	26	0	5	0·45	−0·40	*	*	*	*
8. ENGLAND, S.W.	Llandovery	55	28	48·7	35·7	42·5	+ 1·3	30	18	7	0·93	+0·24	*	*	*	*
	Pembroke	53	39	51·0	46·9	49·0	+ 4·1	49	0	5	0·25	−0·70	15·2	+ 4·4	28	+ 9
	Bristol (Montpelier)	55	34	49·9	39·3	44·8	+ 3·8	31	8	6	0·41	−0·59	*	*	*	*
	Arlington (N. Devon)	51	35	49·6	39·1	44·6	+ 3·2	30	8	6	1·43	+0·55	*	*	*	*
	Cullompton ⛵	53	30	49·9	38·2	44·3	+ 3·1	32	11	7	1·02	+0·17	6·9	− 0·5	12	− 2
	Falmouth	54	39	51·4	43·7	47·7	+ 2·3	40	0	7	0·81	−0·40	10·1	− 2·0	18	− 4
	Plymouth	53	37	51·3	42·4	47·0	+ 3·2	35	0	6	0·54	−0·29	4·6	− 6·4	8	−13
	Prawle Point	52	36	50·3	42·7	46·7	+ 2·7	33	0	6	0·47	−0·39	*	*	*	*
9. IRELAND, N.	Malin Head	51	34	45·4	39·6	42·6	+ 1·6	14	7	7	1·67	?	*	*	*	*
	Londonderry	53	32	46·4	35·7	41·3	+ 0·9	12	27	7	1·66	+0·71	*	*	*	*
	Edenfel (Omagh)	48	28	45·4	35·6	40·8	+ 1·4	10	27	7	1·07	+0·25	*	*	*	*
	Belmullet	52	34	48·0	40·0	44·2	− 0·7	24	6	7	1·16	?	*	*	*	*
	Markree Castle	53	32	47·2	36·5	42·1	+ 1·9	24	15	7	1·48	+0·70	4·4	− 3·9	8	−10
	Brookeborough	52	32	46·6	36·0	41·5	+ 2·7	13	26	6	1·37	+0·38	*	*	*	*
	Armagh	53	18	47·0	36·0	41·7	+ 2·3	14	26	7	1·03	+0·04	11·5	+ 1·5	22	+ 3
	Donaghadee	52	21	45·3	38·4	42·0	+ 0·1	9	10	6	0·71	+0·02	*	*	*	*
	Edgeworthstown	52	26	46·4	34·0	40·5	+ 0·5	12	33	6	0·66	−0·16	*	*	*	*
10. IRELAND, S.	Dublin	55	31	49·0	39·4	44·4	+ 2·1	28	7	5	0·36	−0·26	20·5	+ 8·3	39	+16
	Parsonstown	53	31	47·3	38·9	43·3	+ 2·8	22	9	7	0·50	−0·20	14·3	+ 4·3	27	+ 7
	Kilkenny	54	30	48·0	38·1	43·3	+ 1·3	25	11	5	0·41	−0·27	*	*	*	*
	Roche's Point	56	37	50·7	42·4	46·7	+ 2·2	33	0	3	0·25	−0·89	*	*	*	*
	Valencia	54	38	50·9	44·0	47·6	+ 1·6	39	0	7	0·60	−0·67	13·0	+ 3·8	24	+ 5
	Killarney	58	36	53·1	41·7	47·7	+ 4·1	41	1	7	0·85	?	*	*	*	*
	Foynes	52	33	48·1	40·5	44·5	+ 2·4	24	4	7	0·91	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	40	53·0	45·4	49·8	+ 2·5	55	0	6	0·40	−0·52	9·0	?	16	?
	Jersey	55	40	53·6	44·0	49·0	+ 3·9	49	0	6	0·65	−0·25	6·7	− 5·0	12	−10

Stations marked ⛵ are in connection with the Royal Meteorological Society, and those marked ⛵ with the Scottish Meteorological Society.

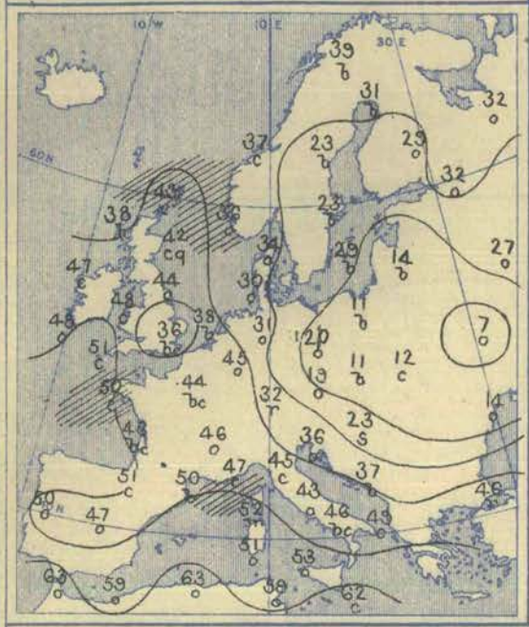
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 1st December.

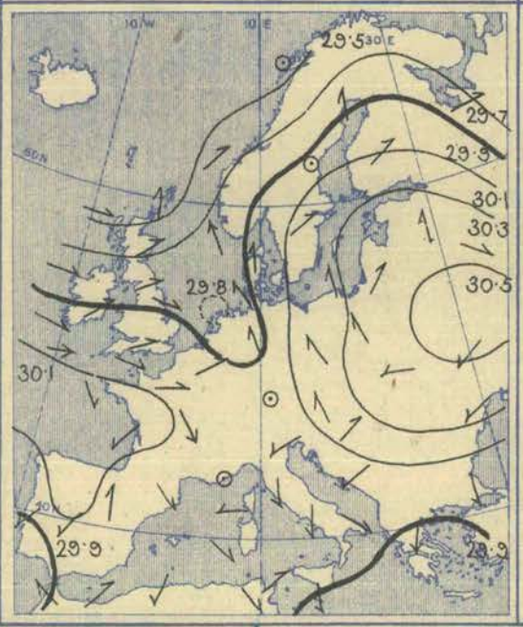
Temperature and Weather.

8 a.m.

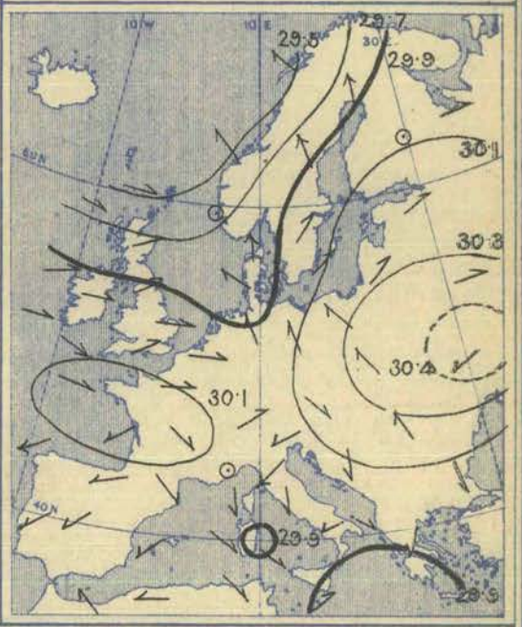


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in England, France, Greece, and southern Italy, as well as over Sweden, eastern Germany, and the Baltic provinces. Cloudy or overcast elsewhere, with rain at Munich, and snow at Buda Pesth. Showers falling later in many parts of western Europe, sky becoming overcast in Sweden.

Temperature fallen in most countries—quickly over England. Morning readings highest, 63° at San Fernando and Algiers, 62° at Malta, and 59° at Nemours and Tunis; above 50° at most of the Mediterranean and Spanish coast stations, as well as in the Scilly Islands. Lowest, − 2° Fahr. at Kharkov, + 7° at Kiev, 9° at Warsaw, and 11° at Neufahrwasser and Cracow; below the freezing point over northern and central Europe generally. Daily maxima below 45° at several of our own northern and eastern stations, but thermometer exceeding 50° on our south and south-west coasts. Exceeding 60° over the southern parts of France, Spain, and Italy, and reaching 66° at Oporto, and 68° at Cagliari.

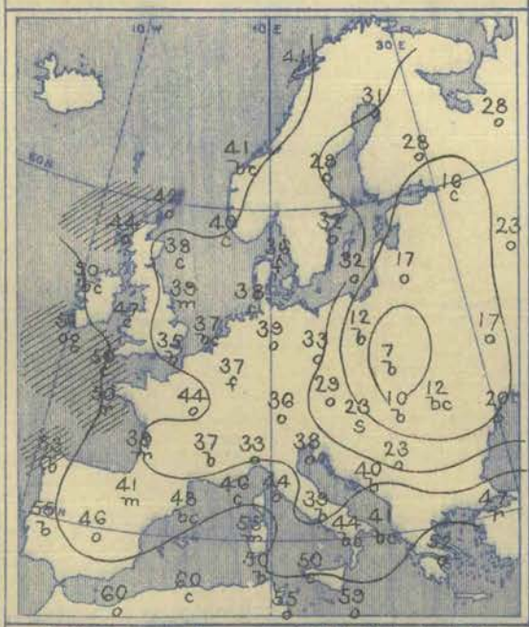
Wind light to fresh from the Westward or South-Westward in our Islands, but Southerly or South-Easterly over Denmark, Germany, and the south of Norway. Calm over the northern parts of Scandinavia; Westerly or South-Westerly over northern Russia; North-Easterly in the south of Russia. Northerly in Italy and the south of France; North-Easterly or Easterly over the Spanish Peninsula and the Bay of Biscay. No important change occurring during day.

Barometer highest, 30·5 ins. and upwards in the south of Russia; 30·1 ins. and upwards in an anticyclone covering the greater part of Russia, Austria, eastern Germany, and the Baltic, and also in another system extending from the Atlantic over the Bay of Biscay and the western and central parts of France. Lowest, 29·5 ins. and less in a depression lying to the northward of our Islands; 29·9 ins. and less in a shallow system off the south-west of Spain. Depression in north subsequently moving north-eastwards, and barometer rising in all parts of our Islands and France.

Monday, 2nd December.

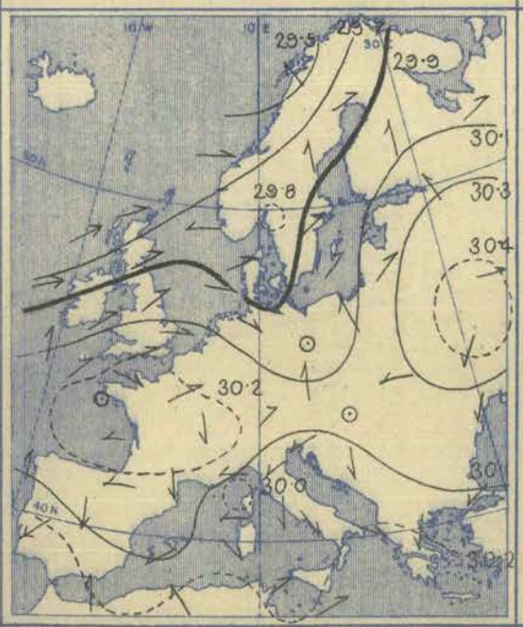
Temperature and Weather.

8 a.m.

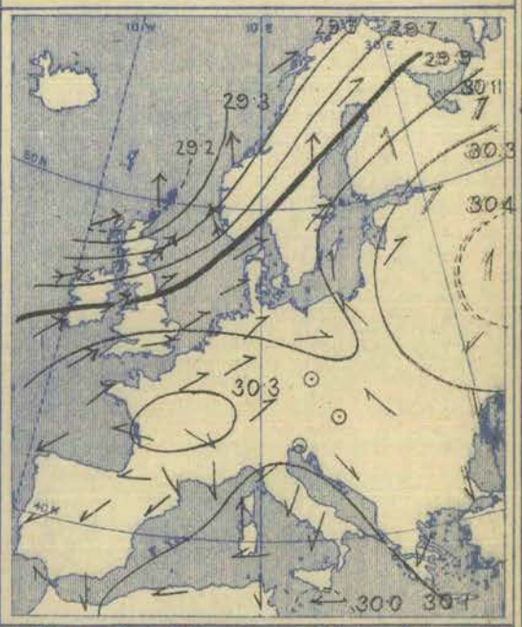


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over England, the Netherlands, France, and the greater part of southern Europe, as well as in Poland. Cloudy or overcast elsewhere, with snow at Karlstad, Swinemünde, and Vienna. Dull, rainy weather spreading later from the westward to all but the extreme eastern and south-eastern parts of the United Kingdom. Solar and lunar halos seen in the south of England. Snow falling in Austria and the southern parts of Russia and Germany.

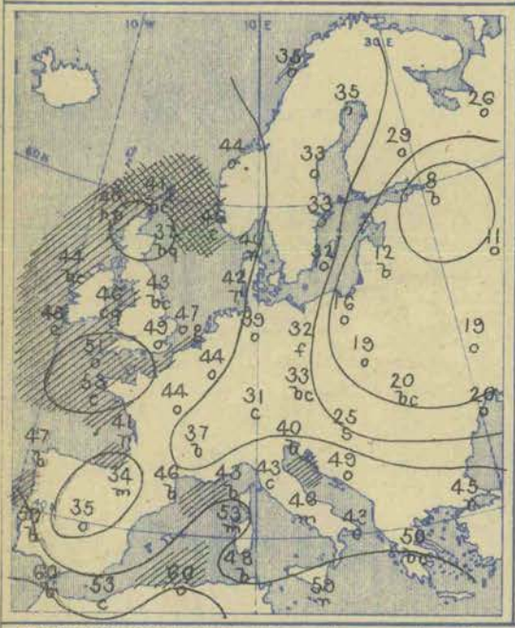
Temperature fallen in the eastern parts of the United Kingdom, as well as in the Netherlands, France and Italy, risen in most other localities. Morning readings highest, 60° at Oran and Algiers, 59° at Nemours and Malta, and 58° at Palma; above 50° at most of the Mediterranean and Spanish coast stations, and just touching that point on our own extreme west and south-west coasts. Lowest, 7° at Warsaw, 9° at Kharkov, 10° at Cracow, and 12° at Neufahrwasser and Lemberg; below the freezing point over the whole of Russia, Austria, and eastern Germany, and also in many parts of Sweden and Denmark. Rising during day to 50° or a little more in nearly all parts of the United Kingdom, to 55° and upwards in the south of France, and to 60° and upwards over the southern parts of Spain and Italy, reaching 68° at San Fernando.

Wind South-West in our Islands; light to moderate in force generally, but strong in the north-west of Ireland. Westerly or North-Westerly in Holland and Denmark; Southerly in Sweden and Finland; North-Easterly in the south of Russia; Easterly in Poland; South-Easterly over Austria and east Germany. Northerly in Greece and central Italy. Varying between East and North over Spain and the southern parts of France. Subsequently increasing to a strong gale from the South-Westward on many parts of our northern coasts, and from the Southward in the south-west of Norway.

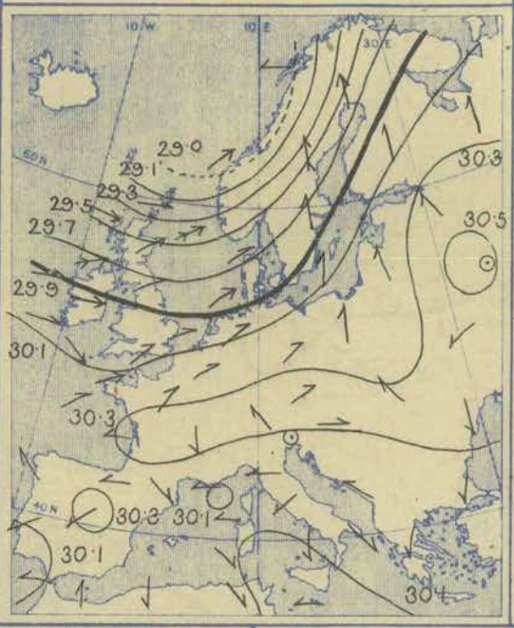
Barometer highest, 30·4 ins. and upwards in an anticyclone over central Russia; 30·2 ins. and upwards in another system over France and the Bay of Biscay. Lowest, 29·5 ins. and less in a depression off the north-west of Norway; 29·6 ins. and less in another disturbance approaching our own extreme north-west coasts. Latter system proving large and deep, and advancing steadily eastward, barometer falling quickly over the north of our Islands generally.

Tuesday, 3rd December.

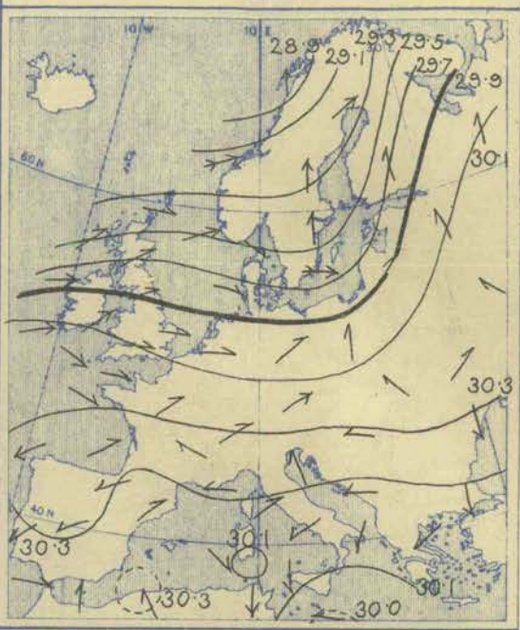
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather dull and unsettled over the southern parts of our Islands, with rain or passing showers in many places; fine at many of our northern stations, but showery on our extreme north-west coasts. Dull over the greater part of the Continent, with local fogs in France and Germany, and with rain in Denmark and the south of Norway, as well as at Breslau and Pesaro, snow falling at Buda Pesth. A little rain falling during day over western Europe generally, and snow in several of the northern countries, lightning seen at Aberdeen at night.

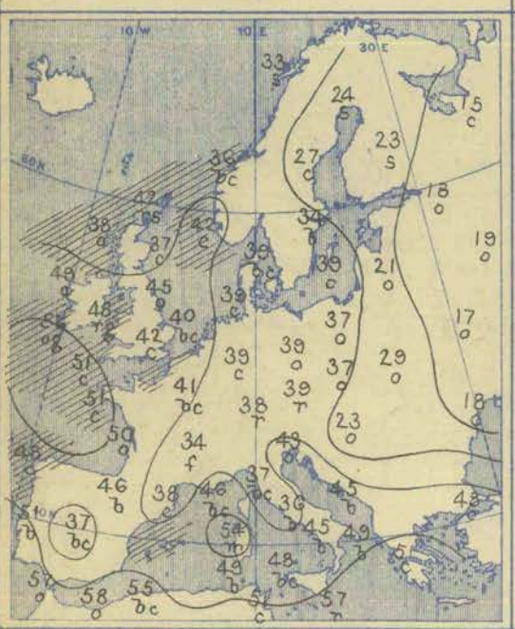
Temperature fallen in Ireland and Scotland, and also over Spain and Russia, but risen in most other countries. Morning readings highest, 60° at San Fernando and Algiers, 59° at Malta, and 57° at Lisbon; above 50° over the central and southern parts of the Mediterranean generally, as well as at the English Channel stations. Lowest, 0° zero at Kharkov, 8° at St. Petersburg, 11° at Moscow, and 12° at Riga; below the freezing point over the whole of Russia, Austria, and south Germany, and very little above it over central Spain. Daily maxima below 45° in the extreme north of our Islands, but thermometer exceeding 50° at most of our southern stations; exceeding 60° over the Spanish Peninsula and southern Italy.

Wind Westerly in our Islands, and strong in force on many parts of our north and north-west coasts, with a gale at Malin Head. Moderate to strong from the South-Westward over Denmark, Germany, and the Netherlands; strong to a gale from the Southward in Scandinavia; light or moderate from the same quarter in northern Russia. Variable in Austria; Northerly in Italy, and also in the south of Russia; Easterly or North-Easterly over the Spanish Peninsula and the southern parts of France. Subsequently veering to the Westward in Norway, but continuing to blow a gale; backing to the South-Westward on many parts of our own western and northern coasts.

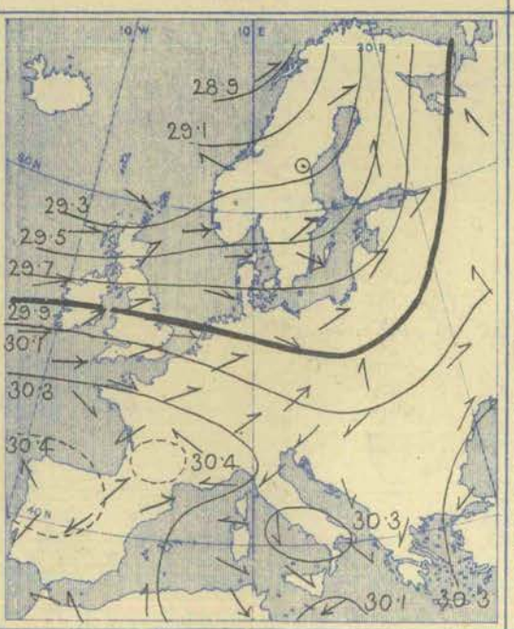
Barometer highest, 30·50 ins. at Moscow; 30·3 ins. and upwards in an anticyclone covering the greater part of Russia, and extending westwards in the form of a narrow band over Austria, south Germany, and the central parts of France. Lowest, 29·0 ins. and less in a large and deep depression off the west of Norway. Depression subsequently moving north-eastwards; barometer rising in Norway, but inclined to fall again on our western and northern coasts.

Wednesday, 4th December.

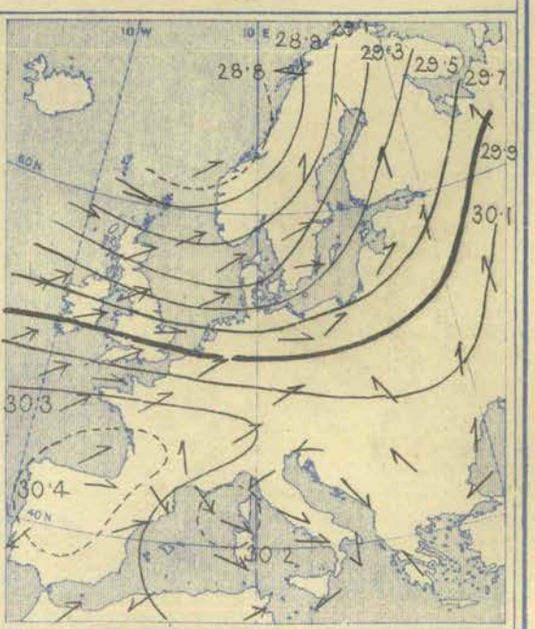
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over all but the southern countries, with rain or passing showers at several of our own western stations, as well as in south Germany; snow reported in Finland, and also at Bodö. Fine on the south-east coasts of England, as well as over the south of Sweden, Spain, Italy, and the south of France. Heavy rain falling later in the extreme north and north-west of our Islands, and smaller quantities in most other parts of western and northern Europe.

Temperature fallen over England and the western parts of the Continent, but risen in most other localities—rapidly at some of the Baltic stations. Morning readings highest, 58° at Oran, 57° at San Fernando and Malta, and 55° at Algiers; slightly above 50° on our own extreme south-west coasts. Lowest, 10° at Kharkov, 15° at Archangel, 17° at Kiev, and 18° at St. Petersburg, Odessa, and Nicolaieff; below the freezing point in Austria. Gradual rise taking place over our Islands during day, thermometer exceeding 50° in many parts of Ireland and England. Exceeding 55° over the southern parts of France, and exceeding 60° over Spain and the south of Italy.

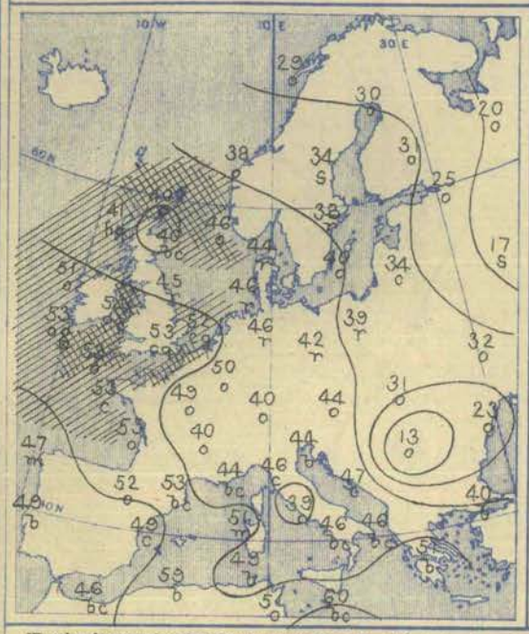
Wind Westerly or South-Westerly over our Islands and the northern and central parts of the Continent generally, but Southerly over northern Russia. Strong in force on many parts of our own western coasts. Variable in the south of France; Northerly or North-Westerly in Italy; North-Easterly or Easterly over the Spanish Peninsula. Subsequently increasing to a gale over nearly the whole of north-western Europe; gale severe on the Scotch coasts.

Barometer highest, 30·4 ins. and upwards over central France, and also over the north-western and central parts of Spain; 30·2 ins. and upwards over all the more southern parts of Europe. Lowest, 29·0 ins. and less in a depression off the north-west of Norway. New depression of considerable size and depth advancing later from the westward to our extreme northern coasts; gradients becoming steep over the whole of our Islands and the North Sea.

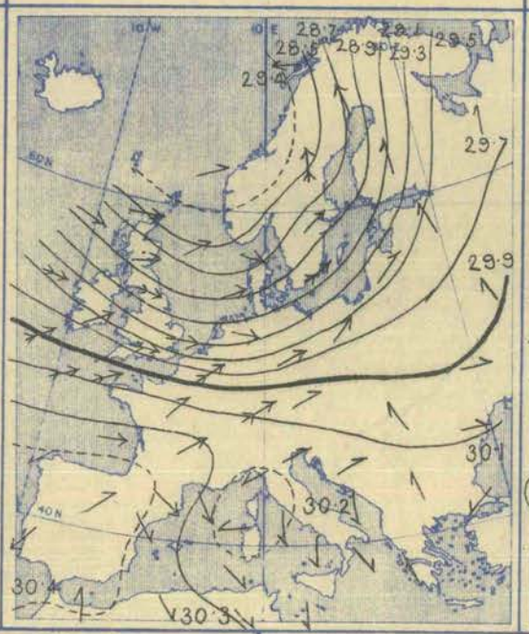
Wyman & Sons, Whitefriars, E.C.

Thursday, 5th December.

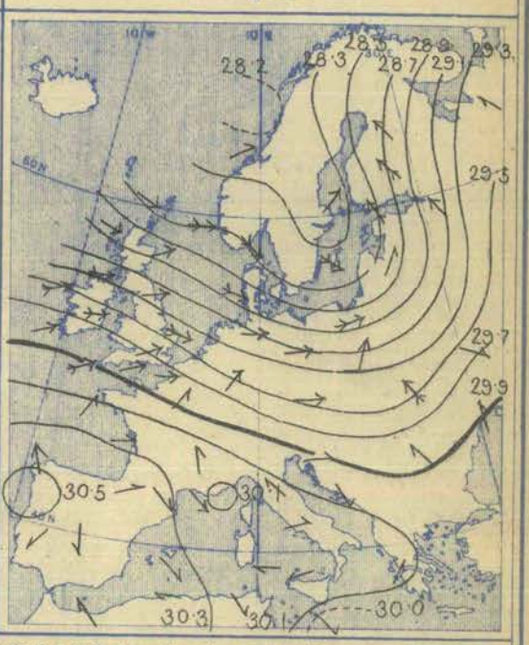
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the east of Scotland, but cloudy and unsettled in all other parts of our Islands, with rain at Shields and Parsonstown, hail showers in the north of Scotland, and thunder and lightning at Wick. Dull in all but the extreme southern parts of the Continent, with rain in Denmark, Germany, and the south of Scandinavia, and with snow at Hernösand and Moscow. Rain (or snow) falling during day in all parts of north-western and northern Europe, but amounts mostly slight; thunder and lightning occurring in the north and west of Scotland, and also in Denmark and north Germany.

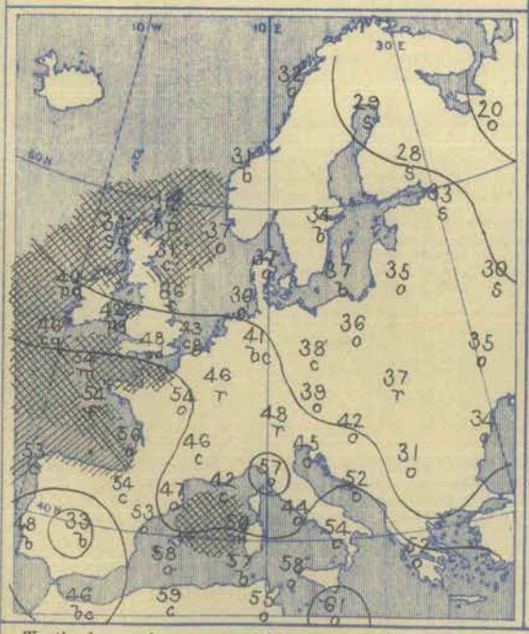
Temperature risen generally. Morning readings highest, (1) 60° at Malta, and 59° at Algiers; (2) 55° at Rochefort, and 54° at Holyhead, Roche's Point, Jersey, and Lorient; ranging between 53° and 51° at the English and Irish stations generally. Lowest, 13° at Hermanstadt, 17° at Moscow, 20° at Archangel, and 23° at Kharkov and Odessa; below the freezing point over Russia and the north of Scandinavia generally. Rising during day to 55° and upwards at several of our own southern and eastern stations, as well as in the west and south of France; reaching 58° at Cambridge, 59° at Biarritz, and 60° at Perpignan. Frost occurring in the north of Scotland at night.

Wind strong to a gale over nearly the whole of north-western and northern Europe, from the Westward in our Islands, from South-West over Germany, the Netherlands, and the south of Scandinavia, and from South over Finland and the Gulf of Bothnia. Light from South or South-West in Russia and Austria. Northerly or North-Westerly in Italy and the extreme south of France; North-Easterly on the Portuguese coasts. Subsequently veering to the Westward over Denmark, the Netherlands, and the south of Scandinavia; fresh to strong gale blowing over north-western Europe all day.

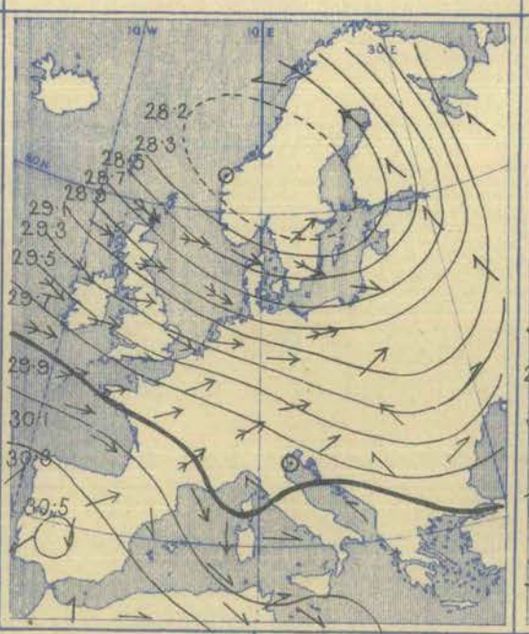
Barometer highest, 30·4 ins. and upwards in an anticyclone over the Spanish Peninsula and the extreme south-west of France. Lowest, 28·4 ins. and less in a large depression lying over and to the westward of the Norwegian coasts; gradients steep over the more northern parts of Europe generally, but slight over Norway. Depression subsequently spreading south-eastwards; barometer rising a little over the north of our Islands, but falling in the south. Falling briskly over northern Europe.

Friday, 6th December.

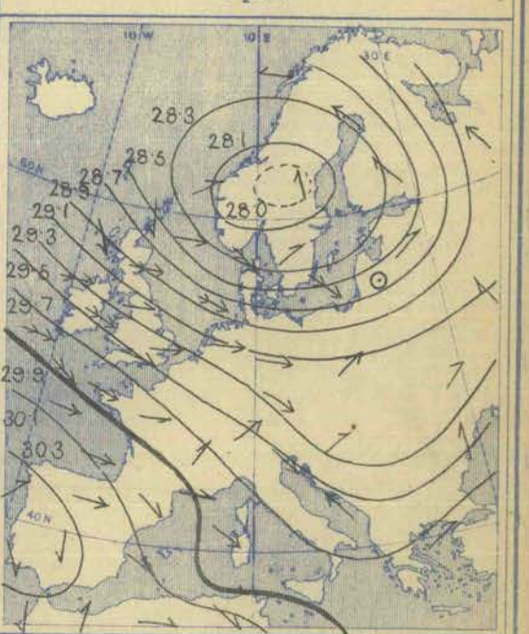
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over our Islands and the Continent generally, with rain over the south of England, Belgium, central France, and the southern parts of Germany, hail or sleet showers reported in the northern parts of Ireland and Scotland, and snow over the northern and central parts of Russia. Fine and bright in the south of Sweden, and also over the Spanish Peninsula. Rain, hail, or snow falling during day over all but the south-western parts of the Continent—heavily at Vienna; lightning seen at night in the west and south of our Islands, with thunder at Ardrossan and also at the Helder.

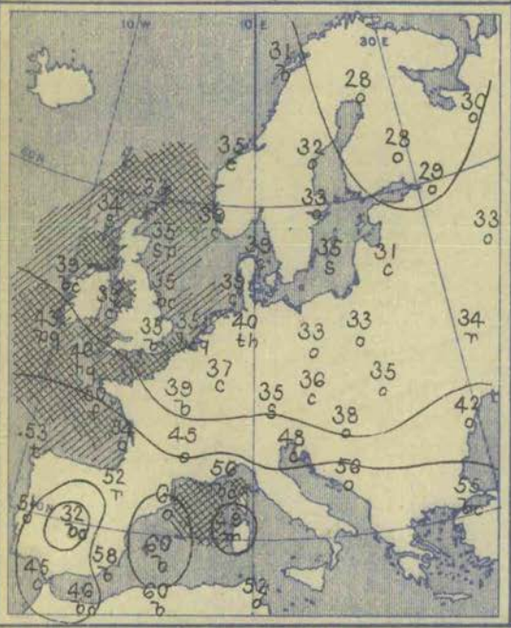
Temperature fallen very decidedly in our Islands. Morning readings highest, 61° at Malta, 59° at Algiers, and 58° at Palma; above 50° at the Mediterranean stations generally, and also over the Bay of Biscay and the English Channel. Lowest, 20° at Archangel, and 28° at Kuopio and Kharkov; below the freezing point at most of the Russian and Scandinavian stations, as well as in many parts of Scotland. Cold weather spreading southwards over our Islands later, frost occurring in many places at night. Thermometer rising during day to 60° and upwards over the Spanish Peninsula and the south of France.

Wind strong to a gale from the Westward or North-Westward over the greater part of western and central Europe, and from the South-Westward over central Sweden and the Gulf of Finland; moderate to strong from the South-Eastward over northern Russia; light from the Eastward in the west of Norway. Variable in Austria, Italy, and the south of France; Northerly or North-Easterly at the Spanish stations. Gale increasing later on all our western and northern coasts; no important change occurring elsewhere.

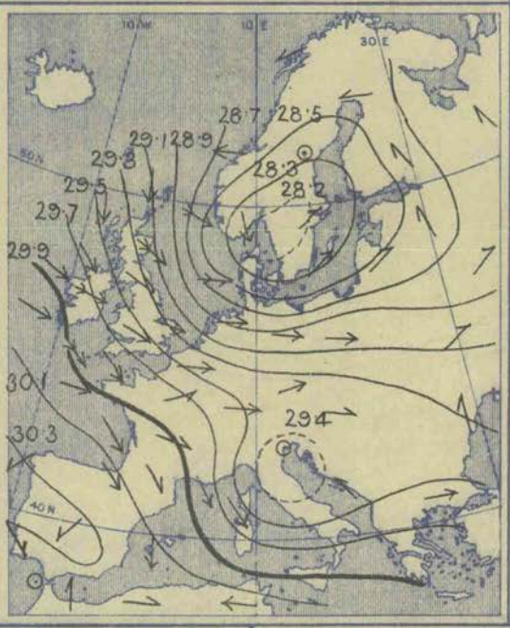
Barometer highest, 30·50 ins. at Madrid; 30·2 ins. and upwards in an anticyclone lying over Algeria, the Spanish Peninsula, and the south-west of France. Lowest, 28·2 ins. and less in a large depression having its central area over Scandinavia; gradients steep over nearly the whole of Europe. Depression subsequently moving slowly eastwards; small secondary disturbances travelling across our Islands; barometric changes over western Europe very irregular.

Saturday, 7th December.

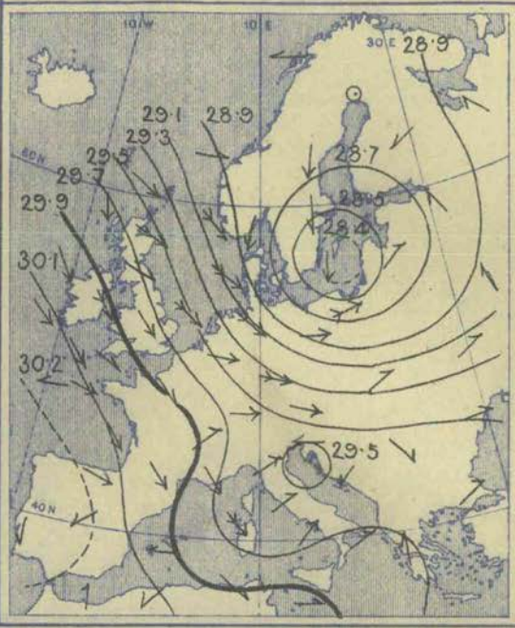
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England, and also over the Spanish Peninsula. Cloudy and unsettled in most other countries, with showers of rain, hail, or snow in Ireland and Scotland; rain falling also at Vienna and Kiev, and snow at Wisby and Munich; thunder and hail reported at Cuxhaven. Showers of snow or sleet falling later over western Europe generally, and considerable amounts in many of the northern countries; lightning seen at night at Jersey, and an aurora at Shields and Roche's Point.

Temperature fallen generally, but risen in the east of Scotland, the west of Norway, and the south of France, as well as at many of the Russian stations. Morning readings highest, 61° at Perpignan, and 60° at Palma and Algiers (Italian reports wanting); above 50° on the Portuguese coasts, and also in the west of France. Lowest, 22° at Karlstad, 28° at Uleaborg and Kuopio, and 29° at St. Petersburg; slightly below the freezing point in many parts of Scandinavia and northern Russia, and also over central Ireland. Daily maxima below 40° in most parts of Great Britain, but thermometer exceeding 55° in the west and south of France; exceeding 60° in Spain and Italy, and reaching 68° at Brindisi.

Wind strong to a gale from the North-Westward over western Europe generally, and from the Westward in Germany; South-Westerly over the central and southern parts of Russia; light from the South-Eastward over northern Russia; Easterly or North-Easterly over the northern parts of Scandinavia. Light from the Northward (North-East to North-West) over the Spanish Peninsula. Gale moderating later on our western coasts, but continuing to blow in the north of Scotland, as well as over Denmark, Germany, and the Baltic.

Barometer highest, 30·3 ins. and upwards over the western and central parts of the Spanish Peninsula. Lowest, 28·2 ins. and less in a depression over the south of Sweden (gradients steep over the North Sea, Denmark, Germany, and the Baltic); 29·4 ins. and less in a small disturbance over the northern parts of the Adriatic. Swedish depression subsequently moving south-eastwards; barometer rising quickly over northern Europe.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Early last week two anticyclones were in existence over Europe—the one over France and the Bay of Biscay, and the other over the central and southern parts of Russia, the systems being united by a "col," which stretched across the whole of central Europe. Over the more southern countries the weather was mostly fair, but in the north it was affected by large cyclonic systems, which advanced from the Atlantic to the Norwegian coasts, and which occasioned Southerly to Westerly gales and heavy rains over the northern parts of our Islands, and also in Scandinavia.

Towards the middle of the week, however, the anticyclone over France moved southwards, while the Russian system broke up, and for the remainder of the time the weathe rover nearly the whole of Europe was influenced by a depression of great size and intensity, the centre of which passed slowly south-eastwards across Scandinavia and the Baltic. During the progress of this system strong gales from West veering to North-West were experienced over our Islands, and also over Denmark, Germany, the Netherlands, and the south of Scandinavia, the weather being at first mild, with occasional rain, but afterwards cold, with snow in all the more northern and also in many of the central countries. At the close of the week the depression was beginning to fill up, the barometer was rising generally, and the North-Westerly gales in our Islands were gradually subsiding.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 290.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	8·2	?	17	?	EASTBOURNE	17·6	?	31	?
OSWALDKIRK (Yorkshire)	12·5	?	24	?	MANCHESTER (Oldham Road)	1.3*	?	3*	?
WORKSOP	5·2	− 2·0	10	− 5	TENBY		?		?
THURCASTON (Leicestershire)	13·7	+ 6·5	26	+15	NEWQUAY	8·0	?	14	?
MARGATE	14·3	?	26	?	TORQUAY	6·5*	?	11*	?
WESTBOURNE (Sussex)	15·2*	?	27*	?	ARLEY COTTAGE (County Cavan)	12·8	?	25	?
BRIGHTON	15·5	?	23	?	GUERNSEY	2·6*	?	4*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 50.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 14TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 296.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	23	43·2	32·3	38·0	1 below	3	- 4	37	+ 7	2142	+278	1026	+313
	1. SCOTLAND, EAST	52	24	42·7	31·0	37·1	0 (average)	2	- 6	41	+ 5	2357	- 4	1235	+460
	2. ENGLAND, N.E.	49	27	43·3	32·2	38·0	1 below	4	- 4	37	+ 7	2756	+245	932	+285
	3. ENGLAND, EAST	52	23	44·0	30·9	37·7	1 below	6	- 3	42	+10	3133	+212	1001	+275
	4. MIDLAND COUNTIES	52	25	44·7	31·4	38·3	0 (average)	8	- 3	41	+ 6	3081	+217	1098	+352
	5. ENGLAND, SOUTH	53	20	47·0	34·0	40·8	1 above	14	- 2	34	+ 7	3396	+193	861	+319
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	56	29	46·2	33·9	40·3	1 above	12	+ 1	33	+ 9	2605	+147	926	+393
	7. ENGLAND, N.W.	53	29	46·0	35·2	40·8	1 above	11	0	28	+ 4	2901	+237	821	+298
	8. ENGLAND, S.W.	54	27	49·2	37·4	43·5	2 above	30	+12	13	- 4	3204	+193	725	+347
	9. IRELAND, NORTH	54	23	44·8	33·3	39·3	1 below	8	- 6	34	+11	2676	+ 48	782	+301
	10. IRELAND, SOUTH	55	26	49·3	35·6	42·7	1 above	32	+12	18	- 2	2997*	0	576	+200
	—CHANNEL ISLANDS	55	40	52·8	43·9	48·5	3 above	46	+14	0	- 5	3828	+316	364	+241

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 296.)	Rainfall. For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	15	1 more	231	- 4	48·7	- 0·9	4	0	9	0	1076	- 3	28	0
	1. SCOTLAND EAST	4	6	1 less	187	- 6	30·3	- 0·5	9	+ 2	19	+ 5	1353	+163	35	+ 3
	2. ENGLAND, N.E.	2	4	2 less	180	+ 1	27·0	+ 1·1	7	- 3	13	- 5	1457*	+240	34	+ 6
	3 ENGLAND, EAST	5	8	2 more	159	-18	23·9	- 1·5	15	+ 7	29	+12	1702	+236	40	+ 5
	4. MIDLAND COUNTIES	5	9	3 more	157	-17	24·3	- 3·7	9	+ 1	17	+ 1	1566	+252	36	+ 5
	5. ENGLAND, SOUTH	5	7	1 more	152	-18	23·9	- 3·1	15	+ 4	27	+ 6	1769	+221	40	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	14	1 more	192	-10	37·4	-12·4	11	+ 4	22	+ 9	1407	+109	33	+ 3
	7. ENGLAND, N.W.	6	13	5 more	178	-11	31·9	- 2·3	3	- 2	7	- 4	1339	+213	35	+ 5
	8. ENGLAND, S.W.	6	11	1 more	167	-30	34·1	- 4·8	7	- 3	12	- 3	1813*	+240	42	+ 6
	9. IRELAND, NORTH	6	10	2 more	209	-11	34·3	- 0·6	10	+ 3	20	+ 4	1348	+160	32	+ 4
	10. IRELAND, SOUTH	7	11	3 more	182*	-19	35·3*	- 2·3	11	+ 1	21	+ 1	1492	+ 76	35	+ 2
	—CHANNEL ISLANDS	7	8	1 less	188	-22	28·8	- 4·0	4	- 7	7	-14	2020	+264	49	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather during this week continued in a very changeable and stormy condition generally. A good deal of rain fell over the Kingdom, but the fall was comparatively slight in the north-east of England. Thunder and lightning were experienced in various localities on the 12th or 13th. *Temperature* underwent considerable and rapid changes, but the average for the week did not differ materially from the normal value; in most of the northern districts it was slightly below, and in the south a little above the mean. The highest of the maxima were recorded on the 14th, when they ranged from 56° in Scotland W., to 49° in England N.E. The lowest of the minima were registered either on the 8th or 11th, and ranged from 20° in England S., and 23° in Ireland N., Scotland N., and England E., to 29° in Scotland W. and England N.W. In the Channel Islands the thermometer did not fall below 40°.

Rainfall was rather less than the mean in Scotland E., England N.E., and the Channel Islands; in all other districts, however, there was an excess.

Bright Sunshine somewhat exceeded the mean in Ireland, the greater part of Scotland, and the south and east of England, but was just equal to or less than the mean in the other districts. The percentage registered of the possible duration ranged from 29 in England E., and 27 in England S., to 12 in England S.W., 9 in Scotland N., and 7 in England N.W. and the Channel Islands.

Barometer and Wind.—Depressions have again travelled from the Atlantic across our Islands and their immediate neighbourhood, producing strong South-Westerly to North-Westerly winds or gales at times in all parts of the Kingdom. The depression which most affected the force of the wind was that which moved across England and the North Sea to Germany during the latter part of the week; it became much deeper during its passage, and caused very strong gales from the North-Westward in its rear. At the end of the period it was filling up over Germany, while another disturbance was approaching the west of Scotland.

* This value has been altered owing to the receipt of further information for a preceding week.

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212 70 12|95 1896

II.—DATA from which the SUMMARY on page 295 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	26	43·4	33·0	38·4	- 0·7	4	34	7	0·93	-0·03	*	*	*	*
	Stornoway	49	28	45·3	33·0	39·4	+ 0·3	9	36	7	1·20	-0·05	6·4	+ 0·6	14	0
	Wick	43	25	41·6	31·3	36·7	- 1·0	0	37	5	1·93	+1·25	*	*	*	*
	Glencarron ℌ	50	29	42·5	31·7	37·3	- 0·2	1	38	7	2·12	-0·02	*	*	*	*
	Fort Augustus ℌ	48	24	43·1	30·0	36·8	- 1·3	3	43	6	‡0·85	-0·20	1·4	?	3	?
	Fort William ℌ	49	31	43·5	34·9	39·4	+ 0·1	4	27	7	1·79	-0·23	4·5	?	10	?
1. SCOTLAND, E.	Nairn	50	28	44·6	31·0	38·1	+ 0·4	7	42	3	0·39	-0·07	*	*	*	*
	Aberdeen	44	28	40·9	32·1	36·7	- 1·2	0	37	4	1·44	+0·73	10·9	+ 2·4	24	+ 5
	Braemar ℌ	42	24	38·8	28·5	33·9	- 0·8	0	57	3	0·21	-0·47	11·2†	?	24†	?
	Ochtertyre ℌ	47	29	43·4	30·7	37·3	+ 0·6	4	42	6	1·09	+0·17	*	*	*	*
	Leith	52	29	45·9	32·7	39·6	+ 0·2	11	37	3	0·08	-0·30	*	*	*	*
	Marchmont ℌ	?	28	?	30·7	?	?	?	?	2	0·27	-0·45	6·8	?	14	?
2. ENGLAND, N.E.	Alnwick Castle	47	30	43·3	33·9	38·8	+ 0·6	4	31	1	0·14	-0·56	*	*	*	*
	Durham	48	27	42·0	30·2	36·3	- 1·1	0	40	2	0·25	-0·45	9·1	- 0·4	18	- 1
	Shields	49	27	43·9	31·9	38·1	- 1·0	5	38	2	0·20	-0·40	*	*	*	*
	Scarborough ℳ												*	*	*	*
	York	49	28	44·0	30·6	37·6	- 0·5	6	43	3	0·75	+0·24	1·0	- 4·4	2	- 9
	Spurn Head	49	33	43·1	34·6	39·0	- 0·1	3	28	4	0·70	+0·20	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	48	26	43·0	31·1	37·3	- 0·1	3	41	5	1·03	+0·47	15·9	+ 7·7	31	+14
	Yarmouth	46	29	42·7	31·6	37·4	- 1·3	2	39	4	0·53	-0·04	*	*	*	*
	Geldeston	48	27	44·1	31·2	37·9	- 0·8	6	41	4	0·50	-0·04	18·9	+ 8·2	36	+16
	Cambridge	52	25	45·4	30·3	38·2	+ 0·2	10	46	5	0·63	+0·20	13·1	+ 3·8	24	+ 7
	Rothamsted	51	23	44·8	30·2	37·8	- 0·3	8	45	6	1·06	+0·51	12·3	?	23	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	29	44·1	32·0	38·3	+ 0·3	6	38	3	0·20	+0·30	*	*	*	*
	Loughborough	50	28	44·6	32·3	38·7	+ 0·7	7	38	5	1·06	+0·55	*	*	*	*
	Stamford (Ketton Hall)	51	25	45·3	30·0	38·0	+ 0·1	9	47	4	0·46	-0·09	*	*	*	*
	Cheadle ℳ	47	30	42·1	31·4	37·0	- 0·2	0	39	6	1·02	+0·34	*	*	*	*
	Solihull	49	28	43·5	31·6	37·3	+ 0·1	4	39	4	1·05	?	*	*	*	*
	Churchstoke ℳ												*	*	*	*
	Hereford ℳ	52	26	46·3	31·3	39·1	0·0	12	43	4	0·83	+0·30	*	*	*	*
	Cirencester	51	25	45·7	30·7	38·5	+ 0·6	10	44	5	0·99	+0·36	14·9	+ 6·1	28	+11
	Oxford	51	25	45·9	31·6	39·0	+ 0·2	11	41	5	1·00	+0·50	11·4	+ 3·2	22	+ 6
5. ENGLAND, S.	London	52	27	46·4	32·1	39·5	- 0·2	12	39	6	0·76	+0·29	4·8†	+ 0·3	9†	+ 1
	North Foreland	50	32	45·9	25·3	40·8	+ 0·7	11	28	5	0·48	?	*	*	*	*
	Strathfield Turgiss ℳ	53	20	44·9	30·4	37·9	- 0·3	8	44	5	0·88	+0·39	*	*	*	*
	Dungeness	50	27	47·9	32·3	40·4	- 0·2	17	40	5	0·59	-0·09	*	*	*	*
	Hastings (St. Leonards)	49	32	46·5	34·7	40·8	+ 0·4	13	30	5	0·84	+0·16	19·4	+ 7·4	35	+12
	Southampton	51	27	48·3	33·3	41·1	+ 0·6	18	37	5	1·02	+0·33	14·3	+ 4·5	26	+ 7
	Hurst Castle	51	35	49·0	40·0	44·7	+ 3·1	27	6	4	0·88	+0·24	*	*	*	*
	Stowell ℳ	52	28	47·3	33·7	40·8	+ 1·7	15	35	6	0·48	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	32	50·1	34·9	42·8	+ 2·7	35	20	7	2·47	+0·32	*	*	*	*
	Glasgow	49	31	43·4	34·7	39·2	+ 0·8	4	28	6	0·76	-0·14	9·6	+ 6·2	20	+13
	Ardrossan	49	35	47·1	37·3	42·4	+ 2·1	23	13	6	0·49	-0·35	*	*	*	*
	Glenlee ℌ	50	29	45·8	30·1	37·2	- 0·3	5	45	7	1·19	+0·36	*	*	*	*
	Douglas (Isle of Man)	51	30	46·6	32·3	39·7	- 1·6	13	39	6	1·43	+0·41	12·3	+ 2·3	24	+ 5
7. ENGLAND, N.W.	Stonyhurst	48	30	42·7	32·7	37·9	- 0·3	2	34	6	1·62	+0·56	3·8	- 2·5	7	- 5
	Blackpool ℳ	49	31	46·7	34·6	40·9	+ 1·8	13	31	5	1·24	+0·54	1·2	- 4·7	2	-10
	Manchester (Prestwich)	48	29	44·4	31·1	38·0	- 0·2	7	42	6	1·81	+1·04	3·8	?	8	?
	Liverpool Obsy. (Bidston)	51	34	46·9	36·3	41·8	+ 1·7	14	25	5	0·84	+0·25	*	*	*	*
	Llandudno ℳ	53	36	47·4	37·4	42·6	+ 0·5	24	13	5	0·83	+0·08	7·6	+ 1·6	15	+ 4
	Holyhead	51	35	48·1	38·9	43·7	+ 0·6	25	9	6	1·55	+0·70	*	*	*	*
8. ENGLAND, S.W.	Llandovery	52	27	47·3	32·7	40·3	- 0·7	15	38	7	1·52	+0·33	*	*	*	*
	Pembroke	52	38	50·7	41·1	46·1	+ 2·0	32	3	7	0·79	-0·13	9·0	- 1·4	17	- 3
	Bristol (Montpelier)	53	29	47·7	35·6	41·9	+ 2·2	16	28	5	1·05	+0·30	*	*	*	*
	Arlington (N. Devon)	51	31	48·9	35·0	42·2	+ 1·5	31	20	5	2·13	+0·81	*	*	*	*
	Cullompton ℳ	53	28	48·9	35·9	41·7	+ 1·5	19	35	5	0·75	-0·05	7·1	- 0·3	13	- 1
	Falmouth	54	38	50·5	42·4	46·6	+ 1·9	32	0	7	1·54	+0·14	5·3	- 6·7	9	-13
	Plymouth	53	32	49·7	40·7	45·3	+ 2·5	29	4	6	0·44	-0·14	4·8	- 6·7	9	-12
	Prawle Point	53	32	49·9	38·1	44·2	+ 1·1	32	11	5	0·66	-0·21	*	*	*	*
9. IRELAND, N.	Malin Head	50	33	46·4	37·6	42·2	+ 2·1	20	12	7	0·76	?	*	*	*	*
	Londonderry	51	32	43·4	34·5	39·1	- 0·8	4	28	7	1·32	+0·42	*	*	*	*
	Edenfel (Omagh)	50	23	45·4	30·9	38·4	0·0	10	43	6	1·06	+0·25	*	*	*	*
	Belmullet	51	34	48·4	37·6	43·2	- 1·0	27	12	7	1·61	?	*	*	*	*
	Markree Castle	54	29	45·2	32·9	39·3	+ 0·1	9	36	7	1·19	+0·40	9·9	+ 1·9	19	+ 3
	Brookeborough	54	25	43·8	30·9	37·6	- 0·2	5	42	6	1·02	+0·08	*	*	*	*
	Armagh	53	28	43·1	32·9	38·2	- 0·2	3	34	6	0·54	-0·13	11·9	+ 3·6	23	+ 6
	Donaghadee	50	29	45·1	32·6	39·1	- 2·2	9	37	6	0·49	-0·16	*	*	*	*
	Edgeworthstown	52	24	?43·5	29·6	36·8	- 2·2	4	46	6	1·12	+0·34	*	*	*	*
10. IRELAND, S.	Dublin	55	30	45·6	34·8	40·4	- 1·0	10	29	6	0·48	-0·11	13·5	+ 2·3	26	+ 5
	Parsonstown	53	27	48·3	31·1	40·0	+ 0·3	18	45	7	1·25	+0·55	11·2	+ 1·4	22	+ 3
	Kilkenny	54	26	45·3	29·6	39·3	- 1·5	18	50	7	1·07	+0·37	*	*	*	*
	Roche's Point	55	38	51·4	39·0	45·5	+ 1·6	37	8	6	0·90	-0·22	*	*	*	*
	Valencia	54	35	52·1	39·3	46·0	+ 0·7	39	8	7	1·40	+0·08	8·5	- 1·4	16	- 3
	Killarney	55	31	50·3	36·6	43·7	+ 0·8	35	15	6	1·80	?	*	*	*	*
	Foynes	54	37	49·1	38·6	44·1	+ 2·9	29	10	7	1·06	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	41	53·1	44·4	48·9	+ 2·0	48	0	7	0·59	-0·31	2·0	?	4	?
	Jersey	54	40	52·4	43·3	48·0	+ 3·9	42	0	7	1·09	+0·21				

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

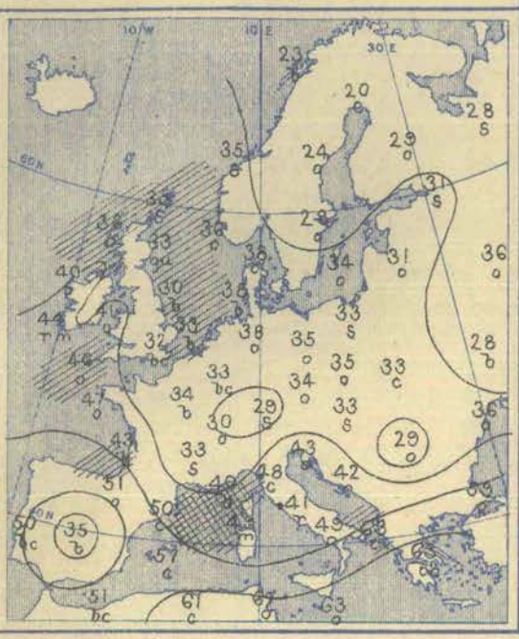
* An asterisk is inserted in all places for which the information is not usually received.

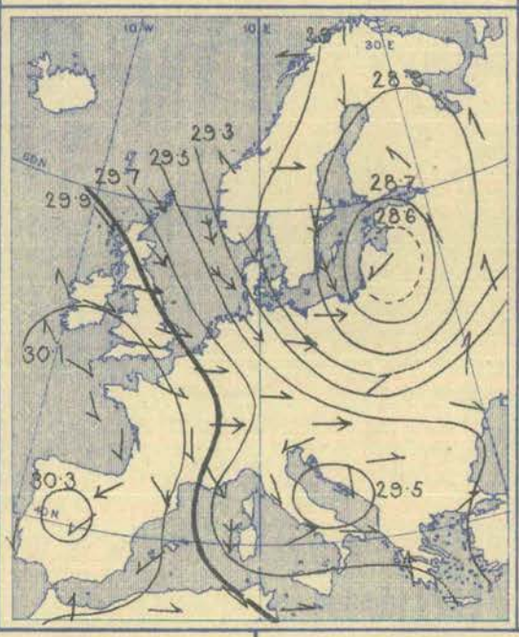
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

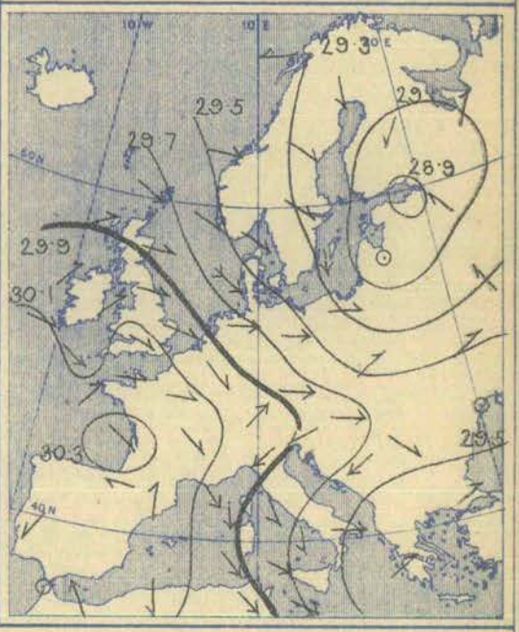
‡ The corresponding value in last week's Report should read "4·15."

Sunday, 8th December.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning fine and bright over the Iberian Peninsula, the greater part of France, and the extreme south of England; cloudy or overcast elsewhere, and very unsettled, with rain and hail in Ireland, an angry appearance at Aberdeen, snow in the north and north-west of Russia, rain at Rome. Rain falling later in north Germany, France, and all but the north-east of our Islands (0·6 ins. at Valencia), a considerable fall at Brindisi also.

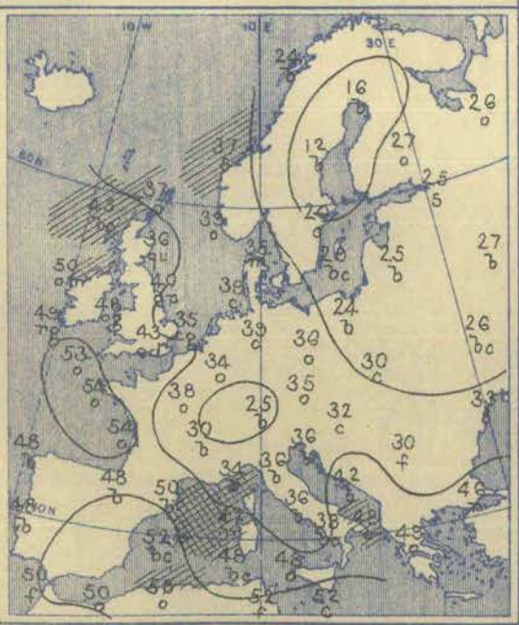
Temperature in morning highest, 63° at Athens and Malta, 61° at Algiers, and above 50° at several of the most southern stations, 47° at Brest, 44° at Valencia. Lowest, (1) 26° to 31° over the north of Russia; (2) 28° at Kiev, 29° at Kharkov; (3) 30° to 34° over central France, and 30° to 32° over the inland parts of Ireland and England. Rising to between 50° and 53° at our western stations later, but remaining low over England during day.

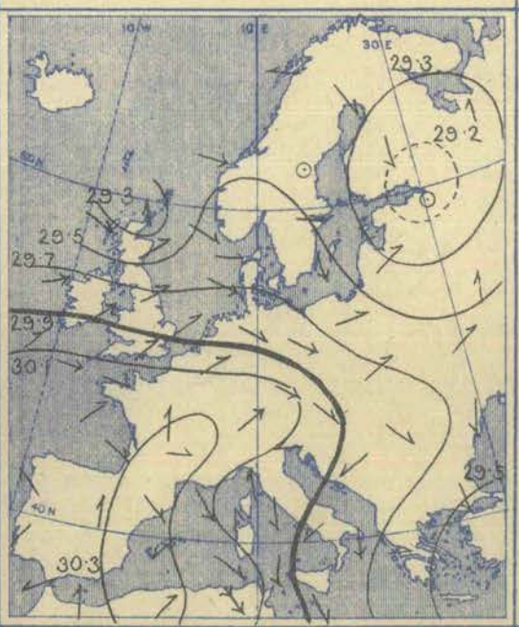
Wind (1) North-Westerly strong to a gale over England and the North Sea; Northerly over Sweden; Westerly over Germany; Southerly light to moderate over Russia; (2) South-Easterly and Southerly in the extreme west of Ireland; (3) anticyclonic (Northerly) over the Bay of Biscay and Spain, but Northerly gale prevailing over the northern half of the Mediterranean. The Southerly wind becoming much more general at our western stations later, the North-Westerly gale dying down on our northern coasts and in Holland.

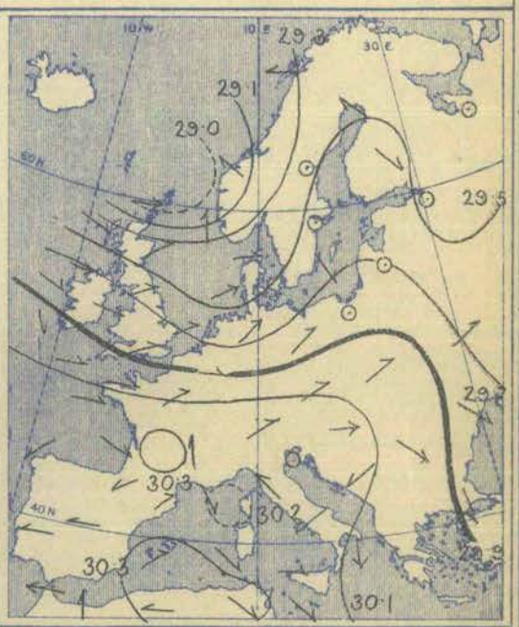
Barometer highest, 30·3 ins. and more to 30·0 ins. in an anticyclone covering the most western parts of Europe and the British Islands. Lowest, 28·6 ins. and less in a large and deep depression over the Baltic provinces, and below 29·5 ins. in another over the Adriatic. The northern depression reaching the Gulf of Bothnia later, and beginning to fill up quickly, that over Italy moving south-eastwards to Turkey.

Monday, 9th December.

Temperature and Weather.	Barometer and Wind.	
8 a.m.	8 a.m.	6 p.m.







Weather in morning dull over the United Kingdom generally, with slight rain in many places. Fine and bright over southern Europe, as well as at most of the Scandinavian and Baltic stations; cloudy in other parts of the Continent, with snow over the Gulf of Finland, as well as at Christiansund, Breslau, and Odessa. Sky clearing later at many of our own northern stations, but weather remaining dull and unsettled in most other parts of western Europe. Bright aurora seen in the north of Scotland at night, and lightning at Wick.

Temperature risen briskly in our Islands, but fallen at most of the Continental stations. Morning readings highest, (1) 58° at Algiers, and 52° at Palma; (2) 54° at Brest and Rochefort, and 53° at Scilly and Lorient (above 45° on our western and southern coasts generally. Lowest, 12° at Hernösand, 16° at Haparanda, and 18° at Karlstad; below the freezing point over the greater part of northern and eastern Europe, as well as in the southern parts of Germany and France, and as low as 34° even at Nice. Rising during day to 50° and upwards on most parts of our western and southern coasts, and to 55° and upwards in the west and extreme south of France; reaching 63° at Biarritz.

Wind moderate to fresh from the South-Westward over our Islands, and from the Westward or North-Westward over the greater part of northern and central Europe, but Easterly in the north-west of Norway; Southerly at most of the French stations, but Northerly or North-Westerly over southern Europe and the Mediterranean, with a gale at Brindisi and Tunis. Subsequently veering to the Westward in our Islands, and blowing strongly in the north of Scotland; backing to the Southward in the west of Norway.

Barometer highest, 30·3 ins. and upwards in an area stretching northward from Algeria over the central parts of France. Lowest, 29·2 ins. and less in a shallow depression over north-western Russia; 29·3 ins. and less in another disturbance off the north of Scotland; 29·4 ins. and less (apparently) over Asia Minor. Depression off our northern coasts subsequently spreading south-eastwards; barometer beginning to rise again in the extreme west.

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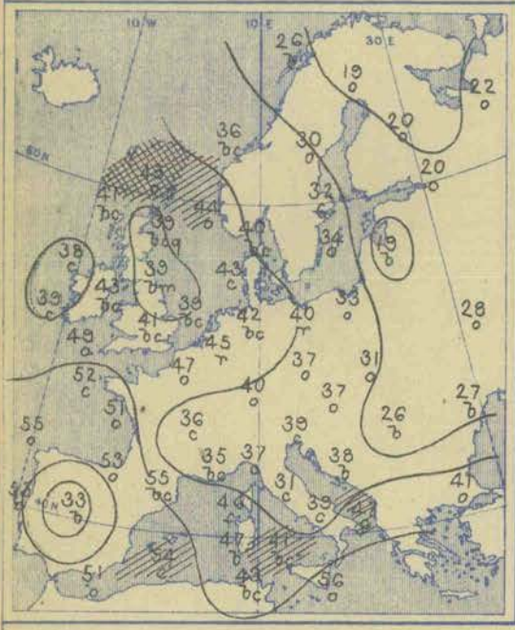
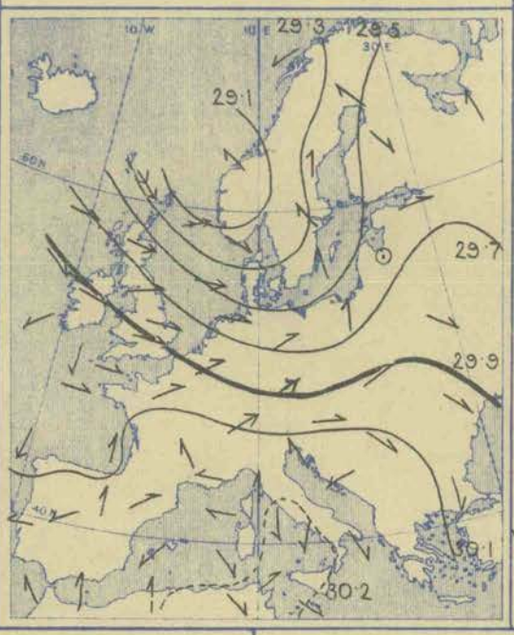
Tuesday, 10th December.

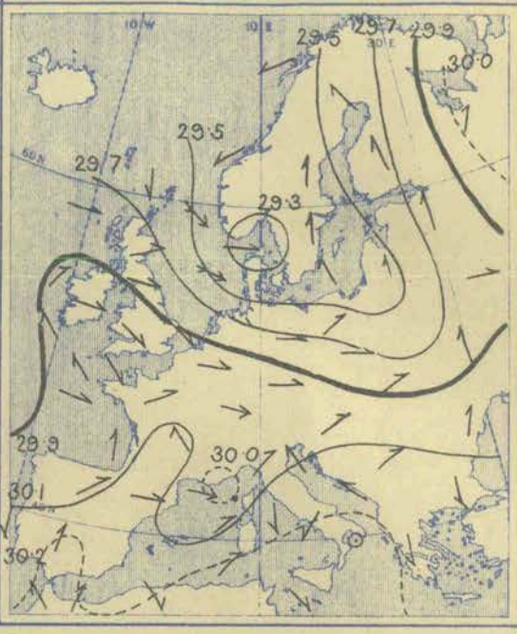
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over our Islands as a whole, still very dull over northern Europe, the Baltic, and Germany, with rain in many places, snow at Memel and Breslau, fine over the Mediterranean and south-eastern Europe. Some rain falling later in the west and north of the British Islands and over Scandinavia, and some snow showers in various parts of central Europe.

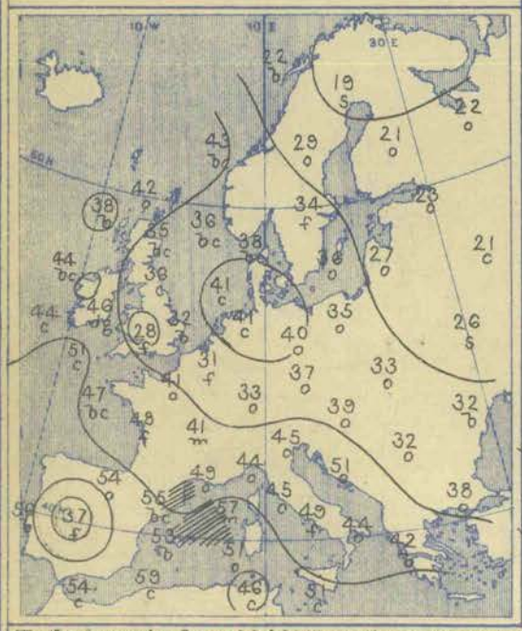
Temperature fallen decidedly in the west of our Islands, risen at many of the Continental stations. Morning readings highest, 56° at Malta, 55° at Barcelona and Corunna, and above 50° in the west of France generally, 49° at Scilly, 43° at the Helder and Fanö. Lowest, 19° at Haparanda, 20° at St. Petersburg, and much below the freezing point over Lapland and Russia generally; 39° on the north-east coasts of Great Britain, 40° at Oxford, 31° at Parsonstown. Becoming much colder over Great Britain at night, where very sharp frost occurred on the ground.

Wind (1) North-Westerly fresh to a gale at the Scotch stations; Westerly light to a gale over the North Sea, but South-Easterly and Southerly over the Baltic and Sweden, and Easterly light to moderate over the northern parts of Norway; (2) North-Westerly to Westerly light to moderate over Ireland, England, and many parts of France; South-Westerly over Germany; light and very variable over southern Europe. Backing suddenly to the Southward in Ireland during day; no great change elsewhere.

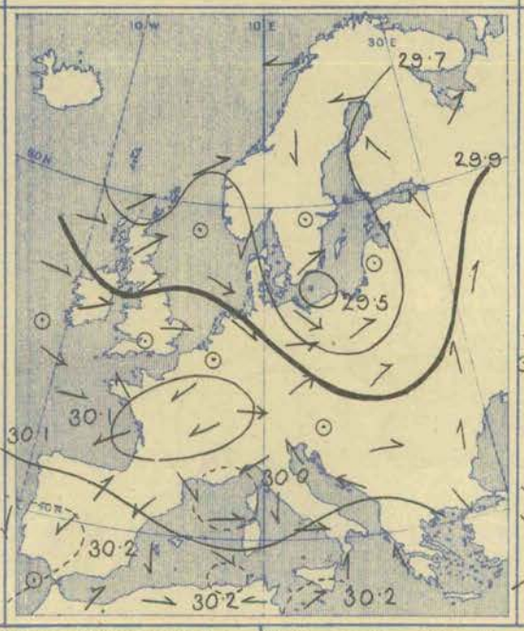
Barometer highest, 30·3 ins. and more over Italy, Sicily, and Tunis, as well as at Madrid, and exceeding 30·0 ins. over all the southern countries of Europe. Lowest, about 29·0 ins. in a deep depression over the southern half of Norway. Gradients steep over the northern parts of the North Sea; moderate to slight elsewhere. The depression referred to moving south-eastwards later, and barometer rising unsteadily in our Islands.

Wednesday, 11th December.

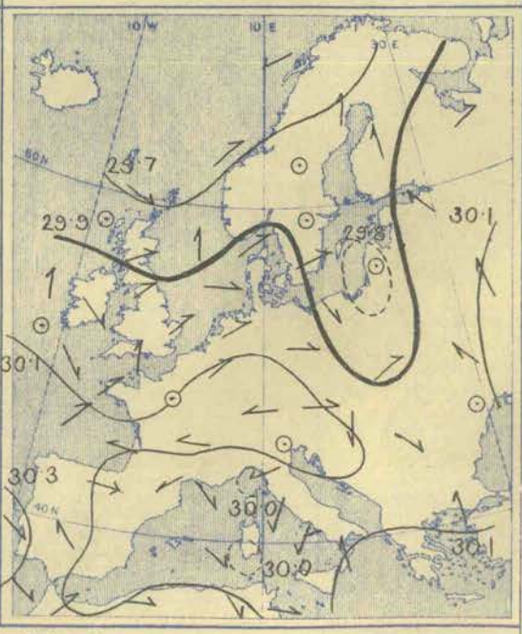
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright (1) over the southern parts of the Mediterranean and the south of Russia; (2) over Scotland, Norway, and Denmark, cloudy or overcast elsewhere, and very unsettled, with snow at some of the Russian stations, fog over many parts of France and the British Isles, rain at Naples. Rain falling later in all parts of Ireland, England, the west and north of France, and Belgium—the amount considerable at Belmullet; thunder and lightning occurring in the west of Ireland.

Temperature changing very fitfully—fallen fast over England and Belgium. Morning readings highest, 59° at Algiers, and exceeding 50° on the southern side of the Mediterranean and the coasts of the Iberian Peninsula generally, 51° at Brest and Scilly, 50° at Pembroke. Lowest, 15° to 25° over the greater part of Russia, 19° to 29° on the northern coasts of Scandinavia, but above the freezing point over central Europe as a whole; 25° at Oxford, and below 32° over our Midland counties. Very unsteady in our Islands during the day, but rising to between 50° and 52° on our south-west and south coasts, and to 39° and 45° over England.

Wind extremely variable; (1) North-Westerly on the eastern shores of the North Sea, but South-Westerly over Poland and Hungary; South-Easterly over Finland; (2) nearly calm over the greater part of England; South-Westerly to North-Westerly on our western and northern coasts, anticyclonic over France and Spain. Continuing very variable during day over the whole of western Europe, and of little force.

Barometer highest, 30·2 ins. and more over the southern half of Spain, and exceeding 30·0 ins. over the whole of France, the Mediterranean, and south-eastern Europe, as well as the south-eastern half of England. Lowest, below 29·5 ins. in a depression over the Baltic, and below 29·7 ins. in another "V shaped" system off the north of Scotland. Changing little and irregularly over the British Islands later.

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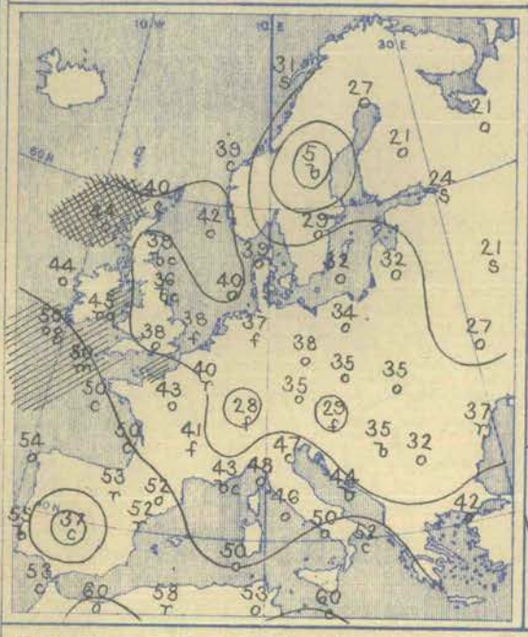
Thursday, 12th December.

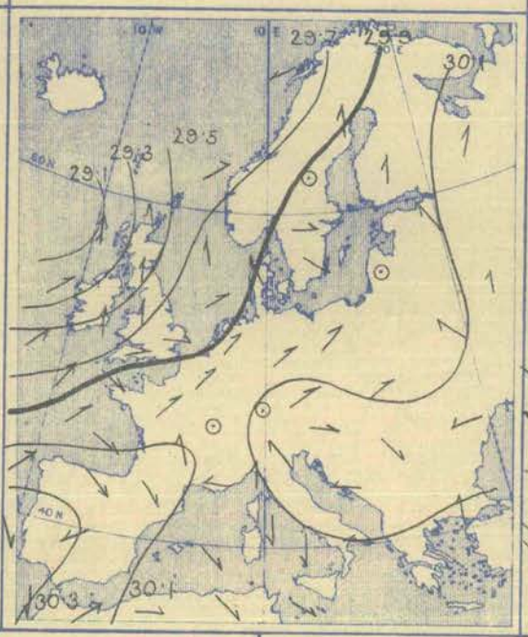
Temperature and Weather.

8 a.m.

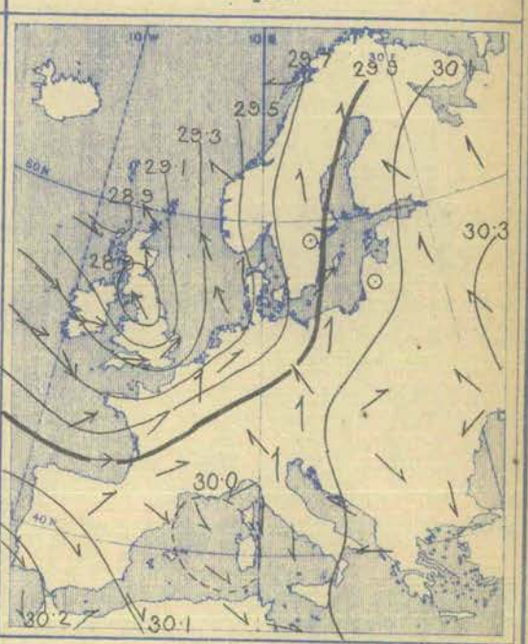


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the Spanish Peninsula, and fair as a whole over the greater part of France, central Europe, and the extreme south-east of England; unsettled over Russia, with snow in many places, and becoming very unsettled over the British Islands as a whole, with rain at many stations, wet fog over England. Rain falling later in all parts of our Islands and their neighbourhood—heavily in Scotland, hail and snow showers in many places, thunder and lightning occurring in several parts of the Kingdom.

Temperature risen considerably over England and Belgium. Morning readings highest, 60° at Malta and Nemours, 57° at Palma, 54° at Corunna, and 50° on the west coast of France and extreme south-west of our Islands, as well as at Cagliari and Naples. Lowest, 19° to 29° over Russia and Finland, 28° at Munich, 29° at Vienna, 32° at Münster, 31° at York, 33° at Loughborough, 35° at Liverpool. Rising later to between 50° and 54° on our south-western coasts generally, but scarcely exceeding 40° in the north-east. Falling again subsequently over the Kingdom generally.

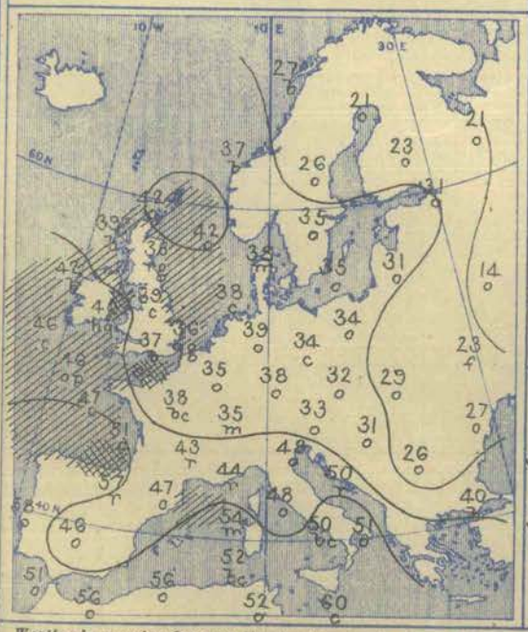
Wind very variable in direction, and light to moderate in force over almost the whole of Continental Europe; Southerly strong to a gale at our western and north-western stations; Southerly to Westerly and light over the eastern half of the Kingdom; Southerly over the Netherlands, and South-Westerly over north Germany. Gales from South to West and North-West felt subsequently in all parts of the Kingdom.

Barometer highest, 30·6 ins. at the Azores, and 30·3 ins. and more to 30·1 ins. over the Iberian Peninsula and the south-west of France; (2) 30·2 ins. to 30·1 ins. over south-eastern Europe. Lowest, below 29·2 ins. in a well-marked depression lying off the west of Scotland, and below 29·7 ins. over all the western and northern parts of our Islands and the west of Norway. Gradients steep and increasing over Ireland and Scotland. The depression in the north-west travelling northwards later, but a new one appearing over the North Channel, growing much deeper and moving eastwards to the North Sea.

Friday, 13th December.

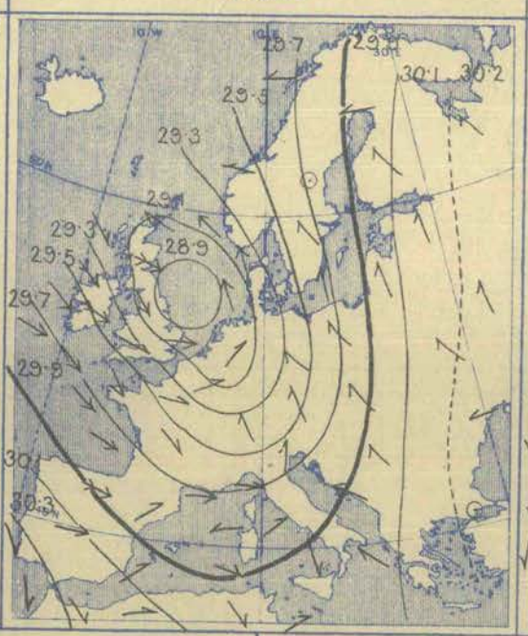
Temperature and Weather.

8 a.m.

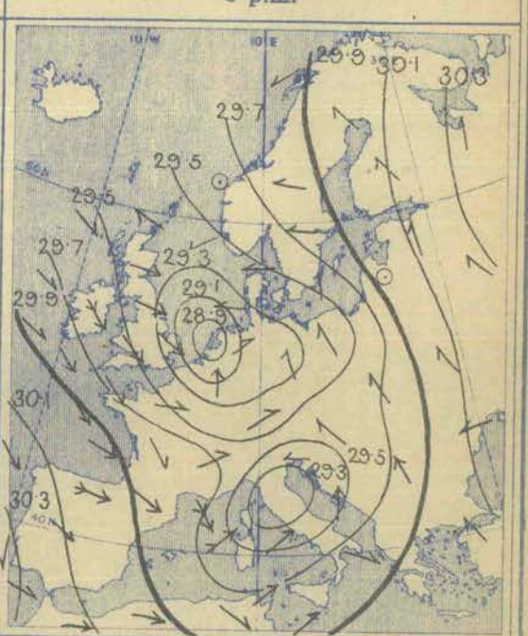


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the southern parts of our Islands, but unsettled at all the more northern stations, with rain in the east of Scotland, hail showers in many other districts, dull over the greater part of the Continent, with rain in the south of France, snow at Karlstad and Helsingfors, fine and bright in the west of Norway, showers falling later over the United Kingdom generally, larger quantities of rain in many parts of Holland and Germany, and still larger over Austria and Italy. Aurora seen at Shields.

Temperature fallen in most countries, but risen quickly in Sweden. Morning readings highest, 60° at Malta, 58° at Lisbon, 57° at Biarritz, Oporto and Palma; above 50° at the Mediterranean and Spanish coast stations generally. Lowest, 14° at Moscow, 17° at Kharkov, 20° at Nicolaieff, and 21° at Archangel; below the freezing point over Austria, Russia, and the north of Scandinavia generally; below 40° in many parts of the United Kingdom. Rising during day to between 50° and 54° on our extreme west and south-west coasts, and also in the west, to 66° at Oporto, 73° at Malta, but remaining below 45° in many parts of Great Britain. Frost occurring over Great Britain at night.

Wind strong to a gale from the North-Westward over the greater part of our Islands, and also in the north and west of France, and from the Westward in the Netherlands and the east of France; Southerly or South-Easterly over Austria, Germany, Denmark, and the Baltic; Easterly in Norway. Variable in Italy. Westerly or North-Westerly over the Spanish Peninsula. Gale moderating later on many parts of our west and north-west coasts, but wind blowing very hard from the North-Westward over Holland and the south-east of England, and a South-West to North-West gale setting in over the Mediterranean.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying to the south-westward of the Spanish Peninsula; 30·2 ins. and upwards in another system over Russia. Lowest, 28·9 ins. and less in a deep depression lying over the central parts of the North Sea. Depression subsequently moving south-eastwards, and another disturbance appearing over the north of Italy; barometer rising over western Europe generally—briskly at the northern stations.

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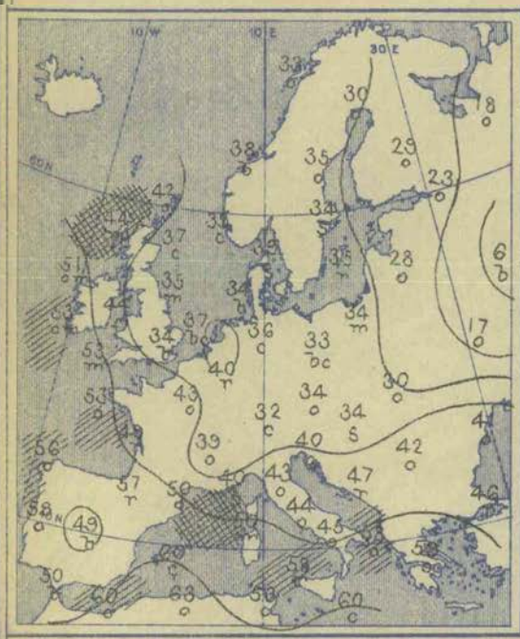
Saturday, 14th December.

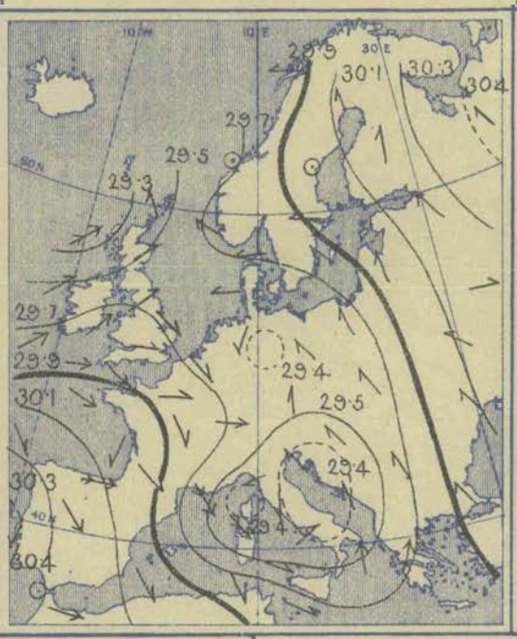
Temperature and Weather. — 8 a.m.



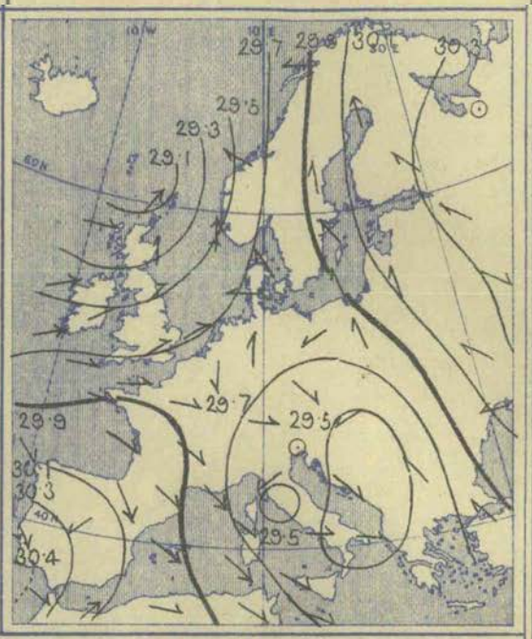
Weather in morning fine and bright over the greater part of Spain, and (temporarily) over the midland, eastern, and south-eastern counties of England, as well as over the North Sea and west of Norway, dull elsewhere, very unsettled, with rain over the Adriatic and Italy, as well as in the north and west of the United Kingdom; snow over Austria-Hungary. Considerable rain later in all parts of our Islands, and the greater part of France and central Europe, snow in the last-named region.

Temperature in morning highest, 63° at Algiers, 60° at Malta and Palma; above 50° on the western shores of Spain and France, and the south-western shores of our Islands, 51° at Belmullet. Lowest, (1) 6° at Moscow, 14° at Kharkov, 17° at Kiev, and below 30° over Finland and Russia generally, 32° at Munich, and 33° to 39° over the inland parts of Great Britain. Rising later to between 50° and 54° over Great Britain, but falling over Ireland. Changes very sudden and frequent.

Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Wind (1) South-Easterly moderate to strong over the Baltic and Russia, nearly calm over the North Sea; Westerly over England; South-Westerly strong to a gale over the north-western parts of our Islands; North-Westerly to Northerly over the Bay of Biscay and Spain; (2) a very complex cyclonic circulation of strong winds (a gale in places) over the Adriatic and eastern half of the Mediterranean. South-Westerly winds becoming general in our Islands later, but gale subsiding in the west.

Barometer (1) 30·6 ins. over the Azores, and 30·4 ins. to 30·0 ins. over Spain and the southern half of the Bay of Biscay; (2) 30·4 ins. to 30·0 ins. over the north of Russia, Finland, and the east of Lapland. About 29·2 ins. off the extreme north-west of our Islands; about 29·3 ins. in a complex disturbance over the Mediterranean and Adriatic: and about 29·4 ins. in a shallower system (filling up) over the north-west of Germany. Depression off north-west of Scotland moving northward later, but barometer falling again in south of Ireland.

GENERAL NOTES.

In the course of this week the distribution of pressure and the movements of the depressions over Europe have been as follows:—

At first, pressure was highest over Spain and western France, and the depressions which appeared in the north moved south-eastwards towards Germany, causing strong cold North-Westerly winds and gales, with showers of rain, hail, snow, or sleet over the United Kingdom, France, and central Europe, while Southerly and South-Easterly winds prevailed over Russia, Finland, and Lapland.

Gradually, however, the pressure increased over Russia, and decreased slightly over Spain. The depression which reached our north-western coasts early on Thursday (12th) consequently moved northwards, but a secondary system which was developed over the Irish Sea and north-west of England on the same day grew deep, and on reaching the North Sea travelled south-eastwards to the north-west of Germany, where it soon dispersed, while another system was formed over southern Europe, and increased for a time the strength of the North-Westerly gales, which at that time prevailed almost all over Ireland, England, and France.

At the close of the week pressure distribution was very complex (high both over northern Russia and the Iberian Peninsula), a new depression had arrived off our north-western coasts, while that over the Mediterranean and Adriatic was filling up. Temperature showed some tendency to rise.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 296.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	6·6	?	14	?	EASTBOURNE	17·4	?	32	?
OSWALDKIRK (Yorkshire)	10·0	?	20	?	MANCHESTER (Oldham Road)	0·3*	?	1*	?
WORKSOP	4·7	- 2·3	9	- 5	TENBY		?		?
THURCASTON (Leicestershire)	5·2	0·0	10	0	NEWQUAY	3·2	?	6	?
MARGATE	18·3	?	34	?	TORQUAY	6·4*	?	11*	?
WESTBOURNE (Sussex)	14·9*	?	27*	?	ARLEY COTTAGE (County Cavan)	9·5	?	19	?
BRIGHTON	15·9	?	29	?	GUERNSEY	5·3*	?	9*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
Week ending Oct. 12th, 1895.	Scarborough	60	38	55·0	43·5	49·2	- 0·7	50	0	4	1·10	+0·42	—	—	—	—
" " 19th, "	Scarborough	68	32	53·4	39·7	46·4	- 2·8	40	4	4	1·07	+0·37	—	—	—	—
" " Nov. 2nd, "	Kilkenny	51	24	40·4	33·1	39·6	- 6·7	12	83	1	0·08	- 0·61	—	—	—	—
" " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	26·1	—	39	—
" " 9th, "	Tenby	—	—	—	—	—	—	—	—	—	—	—	8·4	—	13	—
" " " "	Cullompton	—	—	—	—	—	—	—	—	—	—	—	6·0	- 8·0	9	- 12
" " 16th, "	York	—	—	—	—	—	—	—	—	—	—	—	13·9	+ 3·9	24	+ 7
" " " "	Guernsey	—	—	—	—	—	—	—	—	—	—	—	25·2	—	39	—
" " 30th, "	Tenby	—	—	—	—	—	—	—	—	—	—	—	9·5	—	17	—

Wyman & Sons, Ltd., Lith., 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.: JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 51.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 21ST, 1895. [*Price 6d.* *Annual Subscription, post paid*, £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 302.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	46	23	41·0	33·2	37·3	1 below	0	− 5	33	+ 2	2142	+273	1059	+315
	1. SCOTLAND, EAST	45	12	39·0	30·4	34·8	2 below	0	− 5	50	+11	2357	− 9	1285	+471
	2. ENGLAND, N.E.	49	26	41·6	34·5	38·2	0 (average)	0	− 7	27	− 6	2756	+238	959	+279
	3. ENGLAND, EAST	52	27	42·0	33·9	38·1	1 above	0	− 7	27	−13	3133	+205	1028	+262
	4. MIDLAND COUNTIES	54	25	39·9	32·0	36·1	1 below	0	− 8	41	+ 2	3081	+209	1138*	+353
	5. ENGLAND, SOUTH	53	29	43·5	36·0	39·9	1 above	4	− 8	23	− 7	3409	+185	884	+312
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	19	41·9	33·5	37·9	1 below	0	− 9	29	+ 2	2605	+133	955	+395
	7. ENGLAND, N.W.	49	22	40·4	33·3	37·0	3 below	0	−10	35	+ 7	2901	+227	856	+305
	8. ENGLAND, S.W.	53	21	43·3	35·4	39·5	2 below	4	−12	25	+ 4	3208	+181	750	+351
	9. IRELAND, NORTH	46	19	39·6	31·1	35·5	4 below	0	−11	46	+21	2676	+ 37	828	+322
	10. IRELAND, SOUTH	50	21	42·4	32·4	37·6	4 below	1	−18	35	+14	2998	− 18	611	+214
	—CHANNEL ISLANDS	52	36	47·8	41·3	44·7	0 (average)	22	− 4	2	− 4	3850	+312	363	+237

Rainfall.

	DISTRICTS. (See p. 302.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	5	9 less	234	− 6	49·2	− 1·8
	1. SCOTLAND EAST	4	8	1 more	191	− 5	31·1	− 0·4
	2. ENGLAND, N.E.	5	3	3 less	185	+ 2	27·3	+ 0·8
	3. ENGLAND, EAST	3	1	4 less	162	−19	24·0	− 1·9
	4. MIDLAND COUNTIES	3	2	4 less	160	−17	24·5	− 4·0
	5. ENGLAND, SOUTH	3	5	2 less	155	−18	24·4	− 3·2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	3	9 less	194	−12	37·7	−13·4
	7. ENGLAND, N.W.	3	2	6 less	181	−12	32·0*	− 3·0
	8. ENGLAND, S.W.	4	12	2 more	171	−30	35·3	− 4·6
	9. IRELAND, NORTH	4	7	1 less	213	−12	35·0	− 0·7
	10. IRELAND, SOUTH	4	10	1 more	186	−20	36·3	− 2·2
	—CHANNEL ISLANDS	4	9	0 (average)	192	−23	29·7	− 4·0

Bright Sunshine.

	DISTRICTS. (See p. 302.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th, 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	+ 4	8	+ 9	1082	+ 1	28	0
	1. SCOTLAND EAST	2	− 8	4	−16	1354	+155	35	+ 4
	2. ENGLAND, N.E.	3	− 4	6	− 7	1460	+236	34	+ 6
	3. ENGLAND, EAST	4	− 4	8	− 8	1706	+232	40	+ 5
	4. MIDLAND COUNTIES	7	− 1	14	− 1	1573*	+252	36	+ 6
	5. ENGLAND, SOUTH	4	− 7	7	−12	1773	+215	39	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	− 4	5	− 8	1410	+105	32	+ 2
	7. ENGLAND, N.W.	3	0	6	0	1342	+213	35	+ 5
	8. ENGLAND, S.W.	11	0	21	0	1824	+240	42	+ 6
	9. IRELAND, NORTH	7	− 1	15	− 1	1355	+159	32	+ 4
	10. IRELAND, SOUTH	15	+ 4	29	+ 8	1567	+ 89	35	+ 2
	—CHANNEL ISLANDS	10	− 1	18	− 2	2031*	+265	49	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather varied a good deal in different parts of the Kingdom; it was very dull over Great Britain as a whole, while over Ireland and the south-west of England the sky was frequently clear. Rain was experienced in all districts—chiefly during the early part of the week.

Temperature was a little above the mean in England E. and S., and just equal to it in England N.E. and the Channel Islands. In all other districts it was below, in Ireland the deficit was as much as 4°. The highest of the maxima were recorded on the 15th, when they varied from 54° in the Midland counties, to 45° in Scotland E. The lowest of the minima were registered on the 21st, and varied from 12° in Scotland E., 19° in Ireland N. and Scotland W., and 21° in England S.W. and Ireland S., to 29° in England S., and to 36° in the Channel Islands.

Rainfall slightly exceeded the mean in Scotland E., England S.W., and Ireland S., and just equalled it in the Channel Islands. In all other districts there was a deficit.

Bright Sunshine was very little prevalent over the Kingdom generally, but exceeded the mean value in Scotland N. and Ireland S. The percentage of the possible duration ranged from 29 in Ireland S., and 20 in England S.W., to 6 in England N.W., 5 in Scotland W., and to 3 in Scotland E.

Barometer and Wind.—During the earlier part of the period rather complex depressions were observed over the western parts of our Islands, with strong winds varying in direction between South-East and South over England, and from North-West in Ireland. As the week progressed, however, these disturbances disappeared, and the barometer became highest in the North-East, and lowest in the South-West; light or moderate winds from the Eastward consequently became prevalent on all our coasts. By Friday a subsidiary high pressure system had formed directly over our Islands, but by the end of the week a depression was advancing towards our south-west coasts, and the wind was increasing from the South-Eastward in Ireland.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 301 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	33	42·3	36·4	39·5	+ 0·4	1	21	5	0·29	−0·66	*	*	*	*
	Stornoway	46	28	42·6	33·7	38·3	− 0·5	2	31	2	0·65	−0·62	10·2	+ 4·2	23	+ 9
	Wick	45	26	43·0	36·1	39·7	+ 2·2	3	22	6	0·67	−0·03	*	*	*	*
	Glencarron	43	24	38·5	29·4	34·1	− 3·2	0	55	1	0·35	−1·81	*	*	*	*
	Fort Augustus	46	23	39·5	31·0	35·4	− 2·3	0	46	3	0·36	−0·69	0·0	?	0	?
	Fort William	46	25	40·2	32·8	36·7	− 2·5	0	37	3	0·42	−1·66	0·8	?	2	?
1. SCOTLAND, E.	Nairn	43	20	38·6	28·4	33·7	− 3·8	0	58	2	0·32	−0·12	*	*	*	*
	Aberdeen	45	29	40·6	35·0	37·9	+ 0·7	0	29	6	1·18	+0·46	1·2	− 7·6	3	−16
	Braemar	40	12	35·2	26·3	30·9	− 5·3	0	78	5	1·76	+1·09	3·0†	?†	7†	?†
	Ochtertyre	42	18	38·6	28·7	33·9	− 2·2	0	57	5	0·73	−0·20	*	*	*	*
	Leith	44	23	41·0	32·7	37·0	− 2·0	0	35	2	0·23	−0·17	*	*	*	*
	Marchmont	42	27	39.7	31·5	35·8	− 0·5	0	43	5	0·35	−0·35	1·8	?	4	?
2. ENGLAND, N.E.	Alnwick Castle	45	28	40·4	34·0	37·3	− 0·4	0	33	7	0·78	+0·08	*	*	*	*
	Durham	47	26	40·5	32·9	36·9	0·0	0	33	6	0·23	−0·44	4·0	− 5·4	8	−11
	Shields	47	32	42·6	34·0	38·9	+ 0·6	2	26	6	0·32	−0·26	*	*	*	*
	Scarborough															
	York	47	31	42·0	33·7	38·0	+ 0·7	0	28	3	0·09	−0·42				
	Spurn Head	49	35	42·7	36·9	39·9	+ 1·0	2	19	3	0·10	−0·38	*	*	*	*
3. ENGLAND, E.	Hillington	50	30	42·1	33·4	37·9	+ 1·0	0	31	4	0·15	−0·39	9·5	+ 1·3	19	+ 2
	Yarmouth	49	34	42·9	35·9	39·5	+ 1·5	3	23	3	0·11	−0·49	*	*	*	*
	Geldeston	50	31	42·8	34·7	38·9	+ 1·0	2	27	2	0·07	−0·43	2·3	− 8·3	4	−16
	Cambridge	52	27	42·1	32·0	37·3	− 0·1	0	37	2	0·03	−0·37	3·0	− 6·0	6	−11
	Rothamsted	48	28	40·0	33·3	36·8	− 0·6	0	36	5	0·14	−0·43	2·2	?	4	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	45	28	40·0	32·1	36·2	− 1·2	0	41	1	0·04	−0·48	*	*	*	*
	Loughborough	49	27	40·6	30·7	35·9	− 1·8	0	43	2	0·05	−0·45	*	*	*	*
	Stamford (Ketton Hall)	47	28	39·9	31·1	35·7	− 1·4	0	44	1	0·06	−0·46	*	*	*	*
	Cheadle	48	29	39·7	31·9	36·0	− 0·6	0	42	3	0·09	−0·62	*	*	*	*
	Solihull	47	29	39·6	32·2	36·1	− 1·5	0	41	3	0·12	?	*	*	*	*
	Churchstoke	54	25	39.9	31·4	35·8	− 2·0	0	43	3	0·61	−0·07	3·2	5·1	6	−10
	Hereford	45	26	38·8	32·4	35·7	− 2·5	0	44	5	0·70	+0·18	*	*	*	*
	Cirencester	45	29	39·6	32·3	36·1	− 1·1	0	41	3	0·19	−0·46	8·6	− 0·1	16	− 1
	Oxford	47	30	40·7	34·1	37·5	− 0·8	0	32	3	0·08	−0·39	6·6	− 1·6	12	− 4
5. ENGLAND, S.	London	52	31	42·3	35·7	39·1	0·0	1	23	3	0·49	0·00	0·9†	− 3·5	2†	− 6
	North Foreland	50	35	44·6	37·0	41·0	+ 1·3	7	21	4	0·32	?	*	*	*	*
	Strathfield Turgiss	48	29	41·6	33·0	3.·5	− 0·3	0	32	3	0·31	−0·17	*	*	*	*
	Dungeness	51	32	45·0	36·0	40·7	+ 0·6	8	25	4	0·21	−0·47	*	*	*	*
	Hastings (St. Leonards)	50	31	45·2	36·1	40·8	+ 0·9	9	24	1	0·44	−0·23	1·8	−10·8	3	−20
	Southampton	53	30	43·5	36·0	39·9	0·0	4	23	4	0·54	−0·16	4·6	− 6·1	9	−10
	Hurst Castle	50	31	45·0	40·1	42·7	+ 1·9	13	5	4	0·86	+0·23	*	*	*	*
	Stowell	46	29	40·9	34·2	37·7	− 0·7	0	30	4	0·49	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	50	32	48·1	33·4	41·0	+ 1·1	17	36	2	0·31	−1·79	*	*	*	*
	Glasgow	43	27	39·5	34·9	37·3	− 0·8	0	33	1	0·15	−0·75	0·0	− 3·5	0	− 7
	Ardrossan	44	26	39·3	34·3	36·9	− 3·2	0	36	2	0·20	−0·65	*	*	*	*
	Glenlee	44	19	35·9	29·8	34·5	− 2·7	0	53	3	0·45	−0·95	*	*	*	*
	Douglas (Isle of Man)	48	30	43·5	35·3	39·6	− 1·5	4	26	3	0·50	−0·51	5·1	− 4·4	10	− 9
7. ENGLAND, N.W.	Stonyhurst	47	26	39·6	32·0	36·0	− 1·6	0	42	2	0·10	−0·93	4·5	− 1·7	9	− 3
	Blackpool	46	22	40·5	31·9	36·4	− 2·4	0	39	2	0·15	−0·56	0·0	− 5·7	0	−12
	Manchester (Prestwich)	49	24	40·1	31·1	35·8	− 1·7	0	43	1	0·07	−0·73	2·8	?	6	?
	Liverpool Obsy. (Bidston)	45	24	39·4	33·9	36·8	− 2·0	0	35	3	0·10	−0·48	*	*	*	*
	Llandudno	49	29	41·7	35·0	38·5	− 3·1	0	25	4	0·11	−0·39	5·9	+ 0·2	12	+ 1
	Holyhead	44	30	41·3	35·9	38·7	− 4·1	0	23	3	0·75	−0·10	*	*	*	*
8. ENGLAND, S.W.	Llandovery	45	21	40·0	31·1	35·7	− 5·0	0	44	4	0·67	−0·54	*	*	*	*
	Pembroke	48	33	43·3	37·7	40·6	− 3·0	4	17	4	0·41	−0·49	8·5	− 2·0	16	− 4
	Bristol (Montpelier)	46	30	40·8	35·1	38·1	− 1·3	0	27	5	0·66	−0·04	*	*	*	*
	Arlington (N. Devon)	51	27	43·6	33·4	38·7	− 1·7	4	33	3	1·42	+0·15	*	*	*	*
	Cullompton	46	28	42·8	34·0	38·6	− 0·8	2	30	4	0·69	−0·10	9·8	+ 1·9	18	+ 4
	Falmouth	53	33	45·9	36·9	41·6	− 2·4	11	22	5	2·09	+0·89	13·0	+ 0·6	24	+ 2
	Plymouth	53	32	45·2	37·1	41·3	− 0·7	9	20	5	1·69	+0·79	12·9	+ 1·4	24	+ 3
	Prawle Point	48	31	45·1	37·6	41·5	− 1·0	9	19	5	1·78	+0·93	*	*	*	*
9. IRELAND, N.	Malin Head	44	32	41·3	36·6	39·0	− 0·6	0	21	3	1·23	?	*	*	*	*
	Londonderry	42	23	38·5	29·7	34·3	− 5·1	0	54	3	0·50	−0·40	*	*	*	*
	Edenfel (Omagh)	45	19	39·7	29·0	34·3	− 3·3	0	52	3	0·67	−0·13	*	*	*	*
	Belmullet	45	32	41·1	36·1	38·7	− 5·1	0	23	4	0·93	?	*	*	*	*
	Markree Castle	44	24	35·0	29·6	34·0	− 4·7	0	56	3	0·46	−0·34	12·1	+ 3·7	24	+ 8
	Brookeborough	42	20	38·3	28·2	33·1	− 4·1	0	62	3	0·42	−0·48	*	*	*	*
	Armagh	43	21	38·4	29·0	33·9	− 4·3	0	57	5	0·32	−0·31	2·3	− 5·7	5	−11
	Donaghadee	46	27	42·9	33·7	38·5	− 2·6	3	31	5	0·78	−0·14	*	*	*	*
	Edgeworthstown	42	21	37·9	28·1	33·2	− 4·8	0	62	3	0·76	+0·05	*	*	*	*
10. IRELAND, S.	Dublin	45	25	42·2	33·4	38·0	− 3·9	1	32	6	0·54	0·00	7·6	− 3·2	15	− 6
	Parsonstown	43	21	40·1	30·0	35·3	− 3·7	0	47	3	0·39	−0·31	14·1	+ 4·1	28	+ 9
	Kilkenny	44	24	40·6	31·3	36·1	− 3·9	0	41	2	0·45	−0·26	*	*	*	*
	Roche's Point	50	39	45·4	35·6	40·7	− 2·8	10	26	4	1·10	+0·58	*	*	*	*
	Valencia	50	27	4.·0	34·0	40·2	− 4·3	11	32	4	1·01	− .35	23·1	+12·3	44	+25
	Killarney	49	23	41·7	30·5	36·3	− 6·0	0	40	4	1·81	?	*	*	*	*
	Foynes	49	26	40·5	31·7	36·3	− 4·7	0	40	4	0·99	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	50	40	48·0	41·9	44·6	− 1·9	23	3	5	1·32	+0·42	14·2	?	28	?
	Jersey	52	36	47·0	41·6	44·7	+ 1·5	21	1	3	0·51	−0·34	11·5	− 1·7	21	− 2

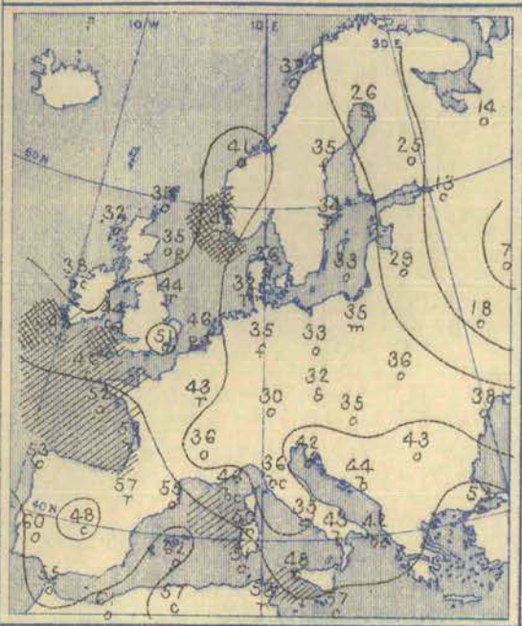
Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked 𝒮 with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 15th December.

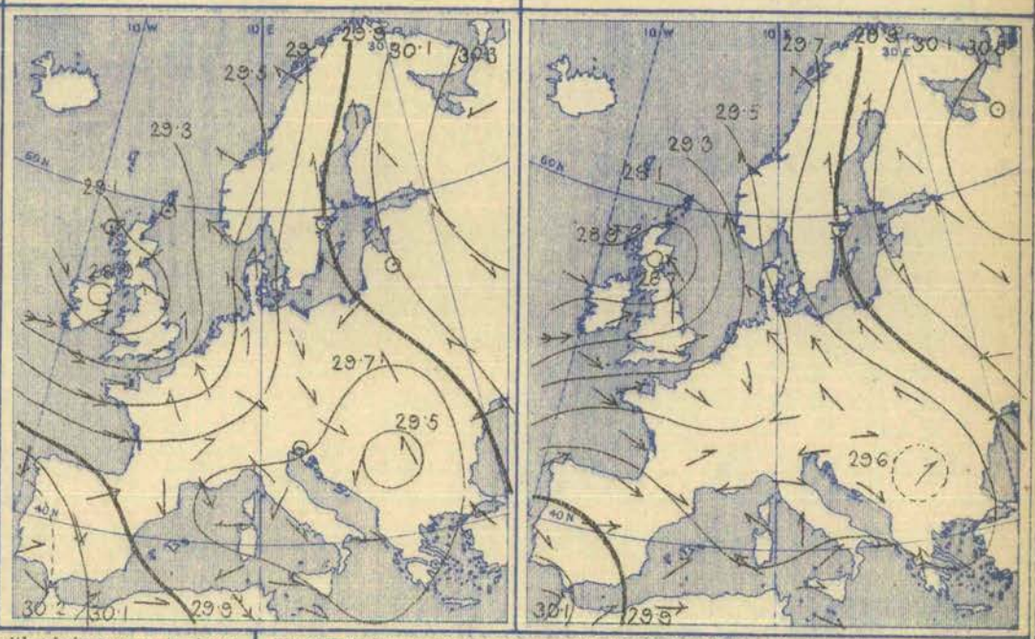
Temperature and Weather. 8 a.m.



Weather in morning dull and unsettled over Europe generally, with rain in many parts of our Islands and France, as well as at Skudesnaes and Buda Pesth; snow falling at Prague. Rain falling during day over western, northern, and central Europe generally—heavily in places; snow reported at Moscow and Helsingfors. Lightning seen at Biarritz. Weather improving somewhat in the eastern and southern parts of the United Kingdom.

Temperature risen briskly over England and France, but fallen in most other countries. Morning readings highest, 61° at Oran, 60° at Lisbon, and 57° at Biarritz, Algiers, and Malta; above 50° in the west of France, the Channel Islands, and the south-east of England. Lowest, 7° at Moscow, 11° at Kharkov, 13° at St. Petersburg, 14° at Archangel, and 18° at Kiev; below the freezing point at some of the German stations, and also over central Scotland. Daily maxima below 45° on many parts of our western and extreme northern coasts, but slightly above 50° in the south and east of England. Thermometer exceeding 60° over Spain and the southern parts of France and Italy, and reaching 66° at Cagliari.

Barometer and Wind. 8 a.m. 6 p.m.

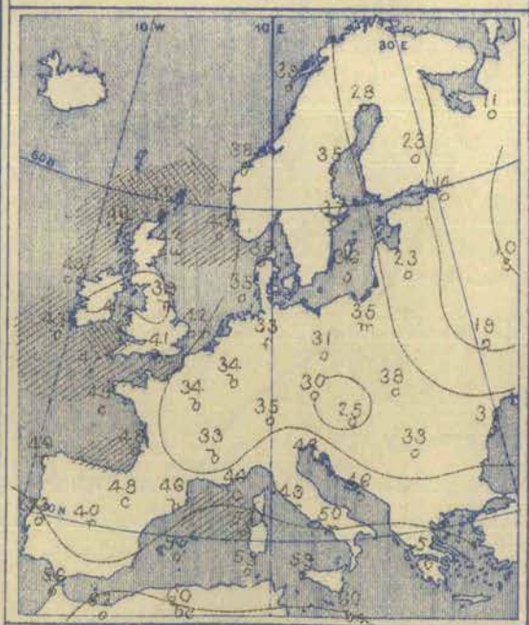


Wind Westerly or South-Westerly over the greater part of Ireland and England, and also in the north and west of France, with a gale on our south-west coasts; Easterly or North-Easterly in Scotland; Southerly or South-Easterly over the Netherlands, Denmark, Scandinavia, and Finland; moderate in force generally, but blowing a strong gale at Skudesnaes. Northerly (North-Easterly to North-Westerly) at most of the German stations; variable in Italy and Austria; Northerly or North-Westerly over the Spanish Peninsula. No important change occurring over western Europe during day, but South-Easterly winds springing up over Germany, and South-Westerly or Westerly winds in Italy.

Barometer highest, 30·3 ins. and upwards in a large anticyclone over Russia; 30·2 ins. and upwards in another system over and to the westward of Portugal. Lowest, 28·9 ins. and less in a well-marked depression over the north of Ireland; 29·5 ins. and less in a shallow disturbance over Austria. Irish depression subsequently moving on to central Scotland, but new disturbance approaching our Islands from the Atlantic, and barometer falling briskly on our western coasts.

Monday, 16th December.

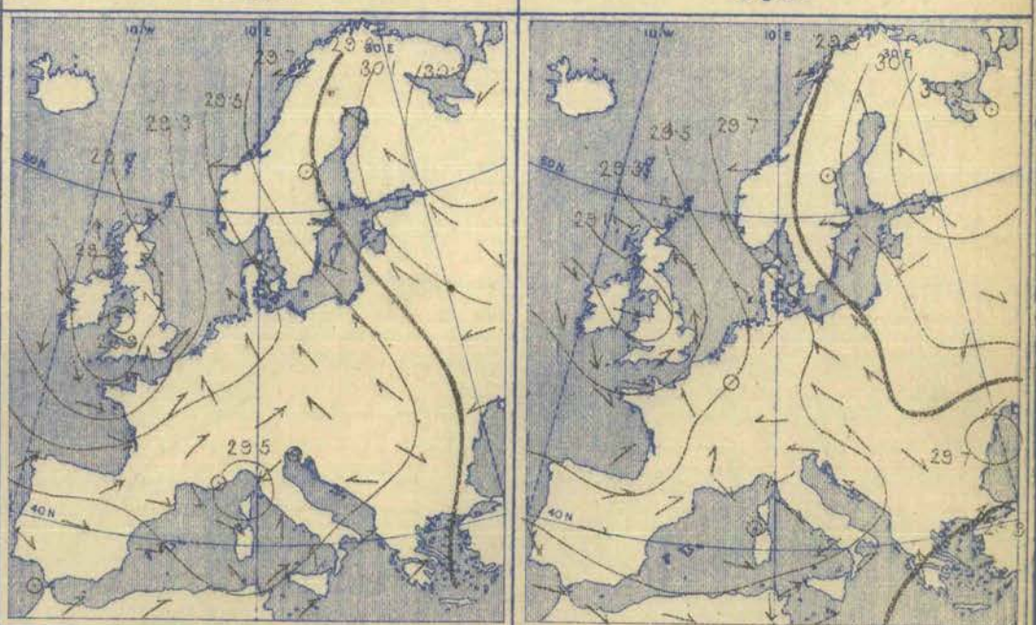
Temperature and Weather. 8 a.m.



Weather in morning dull and unsettled over Ireland and England, and also in the north of Scotland, with rain or passing showers in many places; fine in the east of Scotland. Fine over the Netherlands and the north of France, but dull in nearly all other parts of the Continent, with rain at some of the Swedish stations, as well as in the central parts of Spain and Italy; snow falling at Ulealborg. Rain falling during day over the United Kingdom generally, and hail on our south-west coasts. Considerable quantities of rain falling in various parts of southern Europe, and thunder occurring at Nice.

Temperature risen in Ireland and Scotland, and also in Sweden and Italy, fallen in most other countries. Morning readings highest, 62° at Oran, 60° at Algiers and Malta, and 59° at Palermo; above 50° at the Mediterranean stations generally, and above 45° over the English Channel and Bay of Biscay. Lowest, 3° at Kharkov, 10° at Moscow, 11° at Archangel, and 14° at St. Petersburg; below the freezing point in many parts of Germany and Austria. Daily maxima over our Islands below 45° on all but our south and south-west coasts; thermometer rising to 50° and upwards in the west and south of France.

Barometer and Wind. 8 a.m. 6 p.m.



Wind strong from the North-West in the south-western parts of the United Kingdom, from the Westward in the west of France, and from the South-Westward over the English Channel; moderate from the Southward in the east of England; South-Easterly over the northern parts of Great Britain, and also over all the more northern and central parts of the Continent. Southerly or South-Westerly in Italy. Subsequently increasing to a strong gale from the South-Eastward in the north-east of Scotland; wind moderating on our extreme west and south-west coasts.

Barometer highest, 30·3 ins. and upwards in an anticyclone over northern Russia. Lowest, 28·9 ins. and less in two well-marked depressions—one lying off the north of Ireland, and the other over north Wales; 29·6 ins. and less in a shallow disturbance over the Gulf of Genoa. Depressions over our Islands subsequently moving westward and steadily filling up, barometer rising generally, and northern high-pressure system extending slowly westwards and south-westwards.

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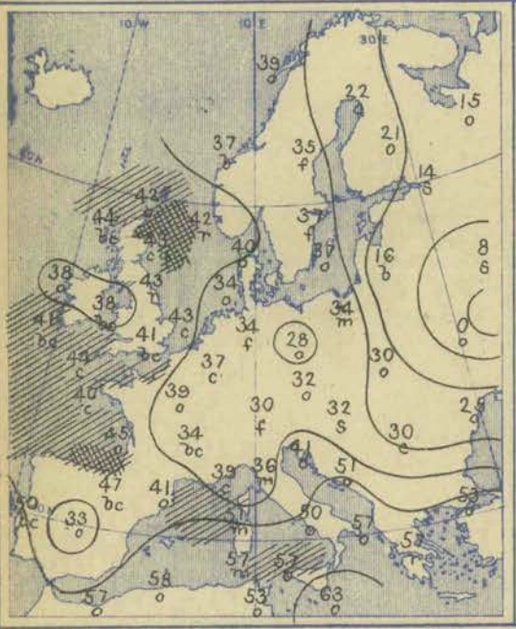
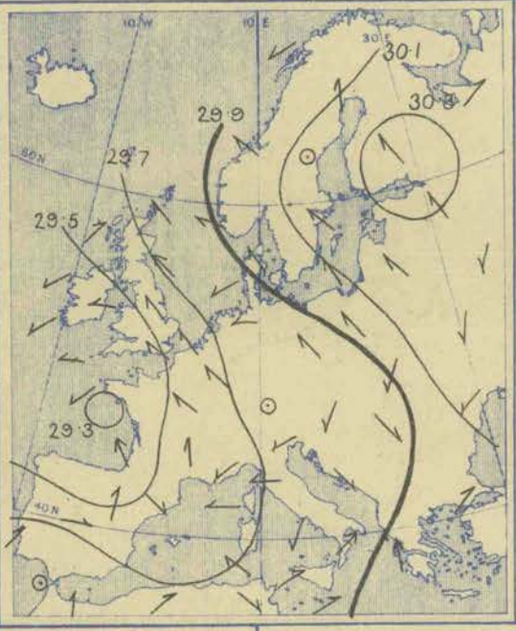
Tuesday, 17th December.

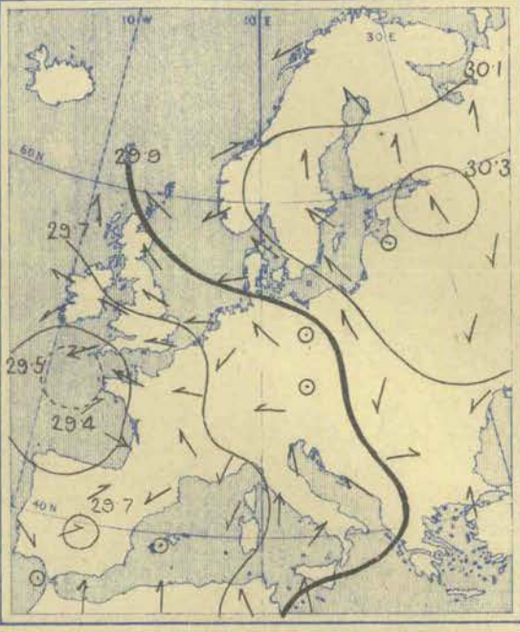
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning cloudy or overcast generally, with showers in several parts of our Islands, steady rain in the south of Norway, and snow at some of the Russian and Austrian stations. Fine over the St. George's Channel and the south of Ireland, as well as in the Netherlands. Showers falling later in the north of our Islands, and considerable amounts of rain in the south-west of England, as well as in many parts of southern Europe.

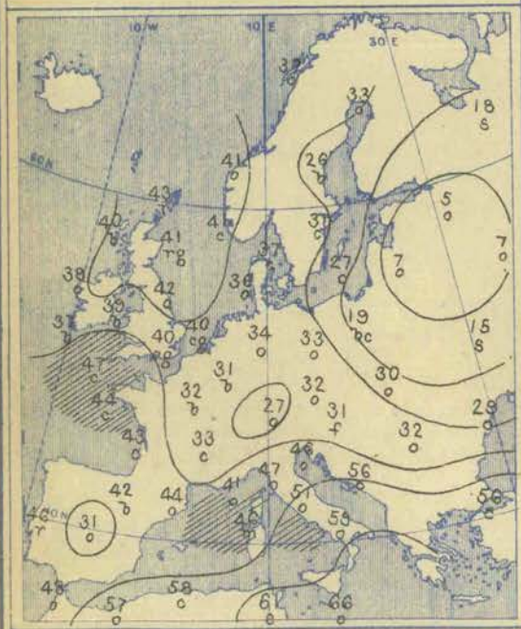
Temperature risen or changed irregularly over the more northern parts of our Islands and the Continent, fallen in most other localities. Morning readings highest, 63° at Malta, 58° at Algiers, and 57° at Brindisi, Palermo, Cagliari, and Oran; above 50° at many of the Mediterranean stations. Lowest, 0° zero at Kiev, + 1° at Kharkov, 8° at Moscow, and 14° at St. Petersburg; below the freezing point over the greater part of Russia, Germany, and Austria, and very little above it in central Spain. Daily maxima below 45° in many parts of the United Kingdom, but thermometer rising to between 46° and 49° on our south and south-west coasts. Exceeding 55° in Spain, southern Italy, and the south-west of France, and reaching 66° at Malta. Frost occurring over the inland parts of our Islands at night.

Wind moderate to fresh from the Eastward or South-Eastward over western, northern, and central Europe as a whole, but Southerly in the north of Scotland. Light from the North-Eastward over Austria and the central and southern parts of Russia. Northerly over northern Italy, but Southerly or South-Westerly over the south of that country, as well as on the Portuguese and Algerian coasts. Subsequently veering to the South-Westward or Westward in the west of France; backing to South-East or East in the north of Scotland.

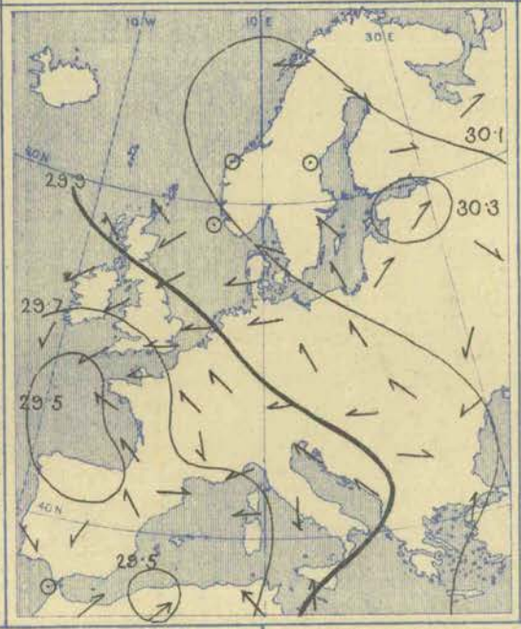
Barometer highest, 30·3 ins. and upwards in Finland; 30·1 ins. and upwards in an anticyclone covering the whole of Russia and the greater part of Sweden. Lowest, 29·3 ins. and less in a small shallow depression over the northern part of the Bay of Biscay. Anticyclone spreading gradually westwards and southwards during day; depression filling up slowly; barometer rising in most parts of our Islands and the Continent.

Wednesday, 18th December.

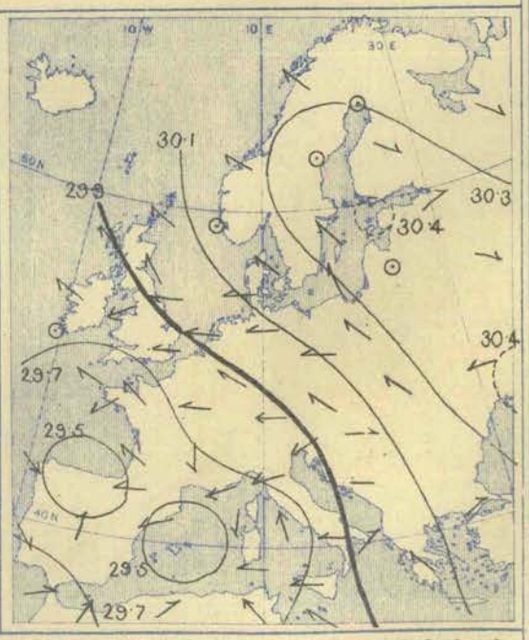
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning dull in nearly all parts of our Islands and the Continent, with fog at several of our central stations, passing showers over the English Channel, and rain at Sumburgh Head and Aberdeen. Snow falling at Archangel and Kiev, and rain at Lisbon and Pesaro. Showers falling later in many parts of Great Britain, and heavy rain over the south of France and northern Italy—as much as 2·2 ins. at Perpignan. Thunderstorms occurring in Istria; lightning seen at Prawle Point.

Temperature fallen in most of the western and northern countries, but risen elsewhere. Morning readings highest, 66° at Malta, 61° at Tunis, 59° at Naples, and 58° at Algiers and Sfax; above 50° at many of the Mediterranean and Adriatic stations. Lowest, 5° at St. Petersburg, 7° at Moscow, 9° at Kharkov, and 11° at Memel; below the freezing point over the greater part of northern and central Europe, and also over central England. Daily maxima very little above 40° over our Islands generally, and below that point in some parts of central England. Rising to 50° and upwards in the south of France, and to 60° and upwards in the south of Italy; reaching 73° at Palermo.

Wind light to moderate from the Eastward or North-Eastward over Ireland and England, and from the South-Eastward in nearly all other parts of western and central Europe. Light from the South-Westward over northern Russia, but from the North-Eastward in the south of that country, as well as in Italy and the south of France. Rather variable over the Spanish Peninsula. No important change occurring later.

Barometer highest, 30·3 ins. and upwards over the Baltic provinces and the Gulf of Finland; 30·1 ins. and upwards in an anticyclone covering the whole of Russia and Scandinavia. Lowest, 29·5 ins. and less in two shallow depressions—one lying over the Bay of Biscay, and the other over Algeria. Anticyclone spreading gradually westward during day, depression over Bay of Biscay moving southwards, but new disturbance forming over the western part of the Mediterranean.

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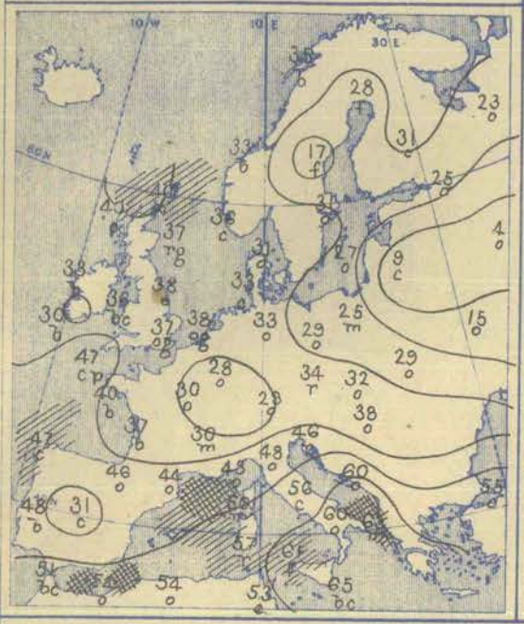
Thursday, 19th December.

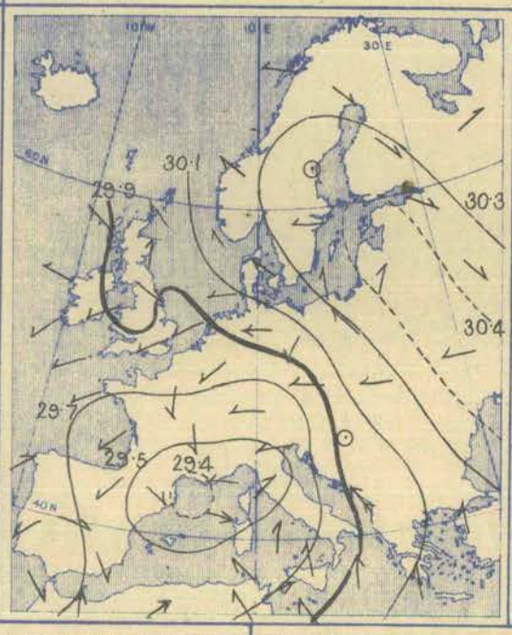
Temperature and Weather.

8 a.m.

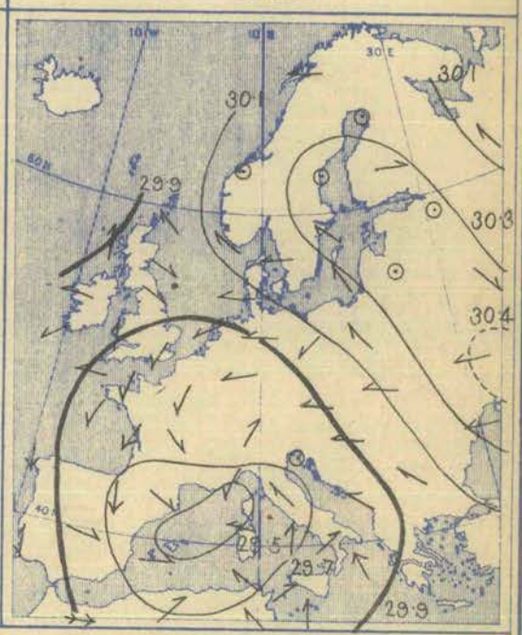


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over our Islands and the Continent generally, with fog or mist in places, and with rain at Aberdeen, Prague, Trieste, Turin, and Toulon; snow reported at Breslau. Fine at several stations in the western parts of our Islands and France. Showers falling later over the northern parts of the United Kingdom, and heavy rain over the south of France and northern Italy. Thunder and hail occurring in Algeria.

Temperature fallen over north-western Europe generally, but risen in most other localities. Morning readings highest, 65° at Malta, 63° at Brindisi, 61° at Palermo, and 60° at Lesina and Naples; above 50° at most of the Mediterranean and Adriatic stations. Lowest, 1° at Kharkov, 4° at Moscow, 9° at Riga, 15° at Kiev, and 17° at Hernösand; below the freezing point over northern and central Europe as a whole, as well as over the central parts of Ireland and Spain. Daily maxima over our Islands ranging in most cases a degree or two on either side of 40°, but thermometer exceeding 45° in the Scilly and Channel Islands, rising to 50° and upwards in the south of France. Frost occurring in many parts of England at night.

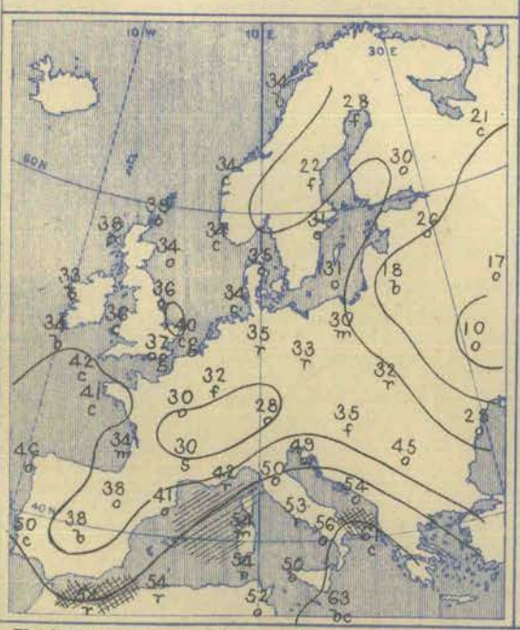
Wind light to moderate from the Eastward or North-Eastward over western and central Europe generally, but South-Easterly over the northern parts of Ireland and Scotland, as well as in the west of Norway. Calm in the north of Sweden; light from North-West over northern and central Russia. Southerly or South-Easterly over Italy and the Adriatic, with a gale at Lesina; North-Westerly in Spain. Subsequently shifting to the North-Westward on the north-east coasts of Great Britain; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards over the western and southern parts of Russia; 30·1 ins. and upwards in an anticyclone covering the whole of Russia, Scandinavia, the Baltic, and the northern parts of Denmark and the North Sea. Lowest, 29·4 ins. and less in a depression over the Gulf of Lyons. No important change occurring over western Europe during day; barometer falling slightly at the northern stations, but rising in the south.

Friday, 20th December.

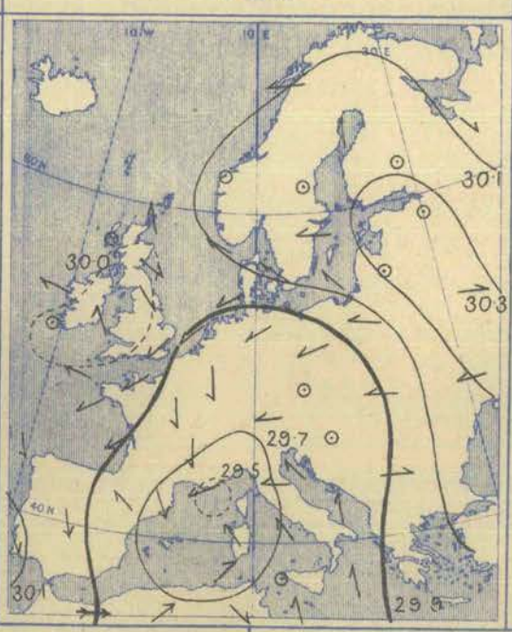
Temperature and Weather.

8 a.m.

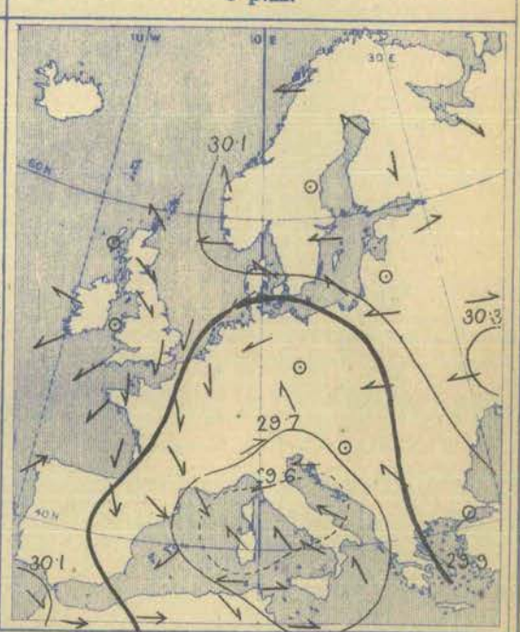


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine at many of our western stations, but with fog in places. Cloudy or dull in nearly all other parts of our Islands and the Continent, with fog or mist over Great Britain, and rain or snow at many of the Danish, German, and southern French stations; rain falling also in Algeria, and at Rome and Cagliari. Sky clearing later in many parts of Scotland, but weather remaining dull and gloomy over England, with rain on our east and south-east coasts, as well as in the neighbouring parts of the Continent. Heavy rain falling in Italy, and a thunderstorm occurring at Algiers.

Temperature fallen in most of the western and southern countries, but risen elsewhere. Morning readings highest, 63° at Malta, 61° at Brindisi, 56° at Naples, and 54° at several of the Mediterranean stations. Lowest, − 4° Fahr. at Kharkov, + 16° at Kiev, 14° at Nicolaieff, and 17° at Moscow; below the freezing point over northern Europe generally, as well as over the central parts of Scotland and France, very little above it over our Islands as a whole. Remaining below 40° all day in many parts of Great Britain, and also over central Ireland; exceeding 65° in Spain and Italy. Sharp frost occurring over our Islands at night.

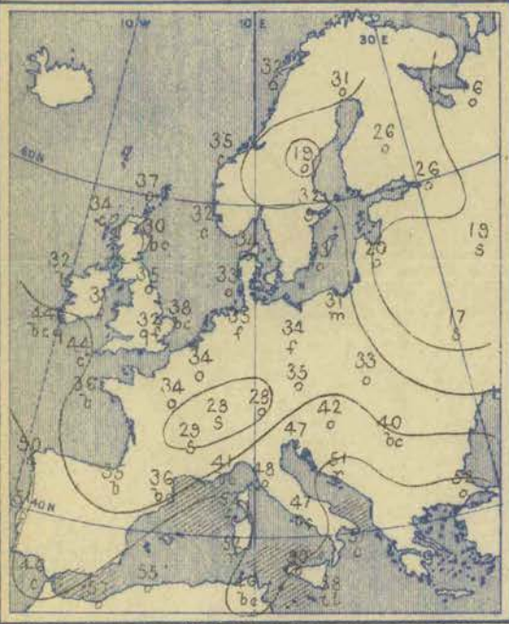
Wind light and variable over the north-western parts of the United Kingdom, but North-Westerly on our north-east coasts, and Northerly or North-Easterly in the south, as well as in France and the Netherlands. Calm or variable over the northern parts of Sweden and Russia; Easterly or North-Easterly over Denmark, Germany, and the south of Scandinavia. Moderate to fresh from the Southward or South-Eastward in Italy, from the Eastward in the south of France, and from the North-Westward over the Spanish Peninsula. Subsequently backing to the South-Westward on the Portuguese coasts; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards over the south of Russia; 30·1 ins. and upwards in an anticyclone covering the greater part of northern and eastern Europe; 30·0 ins. and upwards in another system lying over our Islands. Lowest, 29·5 ins. and less in a depression lying off the south coast of France. No decided change occurring over western Europe during day.

Wyman & Sons, Lt. Lith. 63, Carter Lane

Saturday, 21st December.

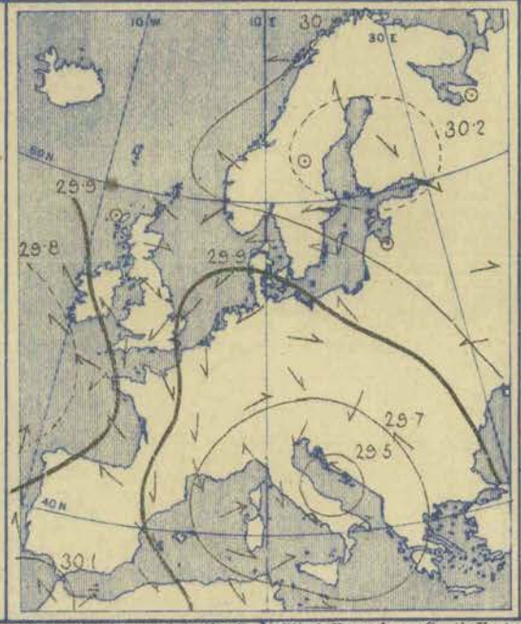
Temperature and Weather. — 8 a.m.

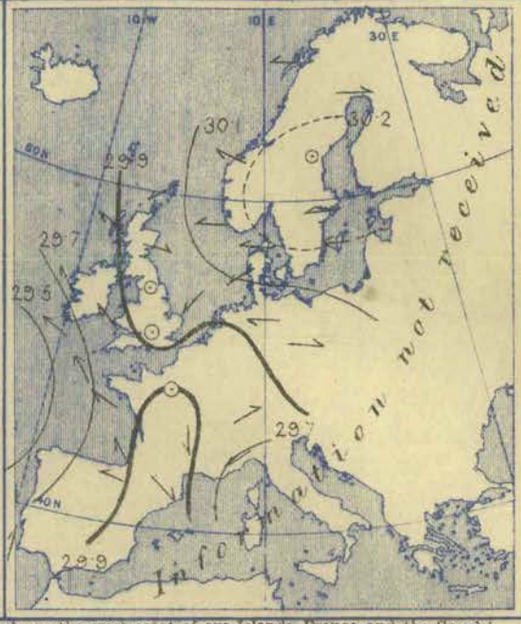


Weather in morning fine in the western parts of our Islands, and also in the west and south of France. Cloudy or overcast elsewhere, with fog or mist over Great Britain and Germany, and with snow in several parts of Central Europe. Thunderstorm reported at Malta. Snow or hail falling later in the north of Scotland, and heavy rain setting in on our extreme south-west coasts—as much as 1·3 ins. at Roche's Point. Rain or snow falling also at many of the Continental stations—heavily at Lisbon. Aurora seen in the north of Scotland at night.

Temperature fallen over the greater part of our Islands, and also over southern Europe; risen quickly in the south of Ireland; changed irregularly elsewhere. Morning readings highest, 58° at Malta, 57° at Oran, 55° at Algiers, and 53° at Nemours; above 50° at most of the Mediterranean and Adriatic stations, as well as on the Portuguese coast. Lowest, 8° at Kharkow, 16° at Archangel, 17° at Kiev, 19° at Hernosand, and 20° at Riga; below the freezing point in many parts of our islands and France, and as low as 22° at Parsonstown. Daily maximum below 35° in many parts of Great Britain; thermometer exceeding 50° in the south of France, and reaching 61° at Lisbon. Sharp frost occurring over Great Britain at night.

Barometer and Wind. — 8 a.m. and 6 p.m.





Wind Easterly or South-Easterly on the west coast of our Islands, France, and the Spanish Peninsula; variable in Scotland; light from the northward over the greater part of England, and also over the Netherlands and central France. Easterly or North-Easterly at most of the Scandinavian, Danish, and Baltic stations, but calm in the north of Sweden. Light and variable in Russia and Germany; Northerly or North-Westerly over northern Italy and the south of France; South-Westerly in the south of Italy. South-Easterly wind increasing in force later on our western coasts, and blowing a gale at night.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over Finland and the central parts of Sweden; 30·1 ins. and less in another system over Morocco and the extreme south of Spain. Lowest, 29·5 ins. and less in a depression over the Adriatic; 29·8 ins. and less in a disturbance lying to the south-westward of our Islands. Latter disturbance subsequently spreading north-eastwards, and barometer falling rather decidedly on our extreme south-west coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of last week two anticyclonic systems were in existence—the one over northern Russia, and the other off the south-west of Spain. Over western and southern Europe as a whole, the weather was affected by complex depressions lying respectively over the northern parts of the United Kingdom and over Austria, Italy, and the central parts of the Mediterranean, the wind being Southerly or South-Easterly over the western and central countries generally, but strong to a gale from the Westward over the south-western parts of our Islands. Considerable quantities of rain were reported on our western coasts, and also in various parts of southern Europe, while snow fell in Russia and Austria.

On the 16th, however, the anticyclone off the Spanish coasts disappeared, while the high pressure system over northern Russia spread out gradually in a westerly direction. The depressions over our Islands now moved away to the westward and dispersed, and South-Easterly or Easterly winds set in over the whole Kingdom with drier weather in most places, but with much gloom and fog over our eastern and central districts. In the south-west of England heavy rain was occasioned by a shallow depression which lay near the mouth of the Channel on the 17th, while over southern Europe still heavier falls were produced by depressions which continued to form over Italy and the Mediterranean, the disturbances being accompanied in some places by thunder and lightning.

At the end of the week the depressions in the south appeared to be dispersing, but a large disturbance was advancing towards our Islands from the Atlantic, and on the night of the 21st a gale from the South-Eastward sprang up on our western coasts, with heavy rain in the south of Ireland.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 302.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	0·5	?	1	?	EASTBOURNE	4·7	?	9	?
OSWALDKIRK (Yorkshire)	2·0	?	4	?	MANCHESTER (Oldham Road)	1·2*	?	2*	?
WORKSOP	7·1	− 0·3	14	0	TENBY	5·8*	?	11*	?
THURCASTON (Leicestershire)	10·9	+ 5·9	21	+ 11	NEWQUAY	13·6	?	25	?
MARGATE	0·3	?	1	?	TORQUAY	11·0*	?	20*	?
WESTBOURNE (Sussex)	8·0*	?	15*	?	ARLEY COTTAGE (County Cavan)	7·4	?	15	?
BRIGHTON	4·4	?	8	?	GUERNSEY	4·7*	?	8*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

Wyman & Sons, Ltd. Lith. 63, Carter Lane

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW: AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XII. No. 52.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 28TH, 1895. [*Price 6d.* *Annual Subscription, post paid, £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 308.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 30th, 1894. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	29	41·5	35·0	38·4	1 above	0	− 6	25	− 7	2142	+267	1084	+308
	1. SCOTLAND, EAST	42	22	37·8	31·3	34·7	2 below	0	− 6	51	+12	2357	− 15	1336	+483
	2. ENGLAND, N.E.	43	20	38·7	32·2	35·6	2 below	0	− 5	45	+10	2756	+233	1004	+289
	3. ENGLAND, EAST	46	20	37·3	29·7	33·7	4 below	0	− 7	58	+17	3133	+198	1086	+279
	4. MIDLAND COUNTIES	48	18	36·0	29·2	32·8	5 below	0	− 8	64	+23	3081	+201	1234*	+378
	5. ENGLAND, SOUTH	50	25	40·2	33·0	36·7	3 below	0	−12	37	+ 6	3409	+173	921	+318
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	52	24	40·7	34·0	37·5	2 below	0	− 9	32	+ 4	2605	+129	987	+399
	7. ENGLAND, N.W.	50	24	38·3	31·4	34·9	5 below	0	− 9	50	+21	2901	+218	906	+326
	8. ENGLAND, S.W.	54	25	44·1	36·3	40·4	1 below	6	− 9	23	+ 1	3214	+172	773	+352
	9. IRELAND, NORTH	52	29	41·4	35·4	38·5	1 below	0	−12	25	− 1	2676	+ 25	853	+321
	10. IRELAND, SOUTH	55	21	47·1	39·3	43·4	2 above	21	+ 2	8	−13	3019	− 16	619	+201
	—CHANNEL ISLANDS	55	38	50·8	43·1	47·1	2 above	36	+11	0	− 8	3886	+323	363	+229

Rainfall.

	DISTRICTS. (See p. 308.)	For the Week. Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	From December 30th, 1894. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of ins.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	10 less	237	− 8	49·6	− 2·8
	1. SCOTLAND EAST	4	4	2 less	195	− 5	31·5	− 0·6
	2. ENGLAND, N.E.	4	5	1 less	189	+ 2	27·8	+ 0·7
	3 ENGLAND, EAST	3	3	2 less	165	−20	24·3	− 2·1
	4. MIDLAND COUNTIES	3	4	2 less	163	−17	24·9	− 4·2
	5. ENGLAND, SOUTH	5	8	2 more	160	−17	25·2	− 3·0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	5	8 less	196	−15	38·2	−14·2
	7. ENGLAND, N.W.	2	5	3 less	183	−14	32·5	− 3·3
	8. ENGLAND, S.W.	6	20	11 more	177	−28	37·3	− 3·6
	9. IRELAND, NORTH	5	10	2 more	218	−11	36·0	− 0·5
	10. IRELAND, SOUTH	6	29	20 more	192	−18	39·2	− 0·2
	—CHANNEL ISLANDS	7	22	13 more	199	−20	31·9	− 2·7

Bright Sunshine.

	DISTRICTS. (See p. 308.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 30th 1894. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	0	6	0	1083	+ 1	28	0
	1. SCOTLAND EAST	0	−10	0	−20	1355	+146	35	+ 4
	2. ENGLAND, N.E.	1	− 8	2	−15	1461	+229	33	+ 5
	3 ENGLAND, EAST	3	− 7	6	−12	1709	+225	39	+ 5
	4. MIDLAND COUNTIES	1	− 7	1	−14	1575*	+244	36	+ 6
	5. ENGLAND, SOUTH	3	− 7	6	−14	1776	+206	39	+ 5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	0	− 7	0	−14	1410	+ 98	32	+ 2
	7. ENGLAND, N.W.	1	− 5	2	− 9	1343	+206	34	+ 5
	8. ENGLAND, S.W.	1	− 9	2	−16	1825	+231	41	+ 6
	9. IRELAND, NORTH	0	− 9	0	−16	1355	+151	31	+ 3
	10. IRELAND, SOUTH	1	−10	2	−18	1508	+ 71	34	+ 1
	—CHANNEL ISLANDS	3	−13	6	−22	2034	+253	48	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. and the Channel Islands there is only one "mean" available for each district.

General Remarks.

Weather continued very dull and gloomy over the Kingdom generally. Exceedingly heavy rain was experienced in the south-west of our Islands, especially at Killarney, Roche's Point, and Falmouth, but in most other localities the falls of rain or sleet were slight and less frequent.

Temperature slightly exceeded the mean in Scotland N., Ireland S., and the Channel Islands, but was below it elsewhere; the deficit amounted to as much as 5° in the Midland counties and England N.W. The highest of the maxima were recorded on the 28th, when they varied from 55° in the Channel Islands and Ireland S., to 43° in England N.E., and 42° in Scotland E. The lowest of the minima were registered on the 22nd, and ranged from 18° in the Midland counties, 20° in England N.E. and E., and 21° in Ireland S., to 29° in Scotland N., and to 38° in the Channel Islands.

Rainfall was less than the mean over the northern and eastern parts of the Kingdom, but slightly exceeded it in England S. and Ireland N., while in the Channel Islands, England S.W., and Ireland S. the excess was unusually large. The largest amounts for the week at any individual stations were 5·80 ins. at Roche's Point, 5·20 ins. at Falmouth, and 4·63 ins. at Killarney.

Bright Sunshine was almost entirely absent during the greater part of the period. The percentage of the possible amount of duration ranged from 6 in Scotland N., England E. and S., and the Channel Islands, to 1 in the Midland counties, while in Scotland E. and W. and Ireland N. the amount recorded was less than 1 per cent.

Barometer and Wind.—During the greater part of this period a deep depression lay off our south-west coasts, and as the barometer was highest in the north-east, strong and persistent gales from South-East and East were very generally experienced in nearly all parts of the Kingdom. By Friday the disturbance had dispersed, while the anticyclone to the North-Eastward was moving southwards, but on Saturday another depression appeared in the west, and, moving northwards, caused Southerly winds over our Islands generally, and a considerable rise of temperature.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 307 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°				Inches.	Inches.				
0 SCOTLAND, N.	Sumburgh Head ⚓	43	33	41·3	34·7	38·1	− 1·0	0	27	7	0·39	−0·54	*	*	*	*
	Stornoway ⚓	45	33	42·1	35·4	38·9	+ 0·1	0	24	1	0·18	−1·07	6·1	+ 0·1	14	0
	Wick ⚓	43	30	42·1	34·4	38·4	+ 0·9	0	28	7	0·55	−0·10	*	*	*	*
	Glencarron ⚓	43	29	39·6	33·3	36·6	− 0·7	0	38	1	0·39	−1·80	*	*	*	*
	Fort Augustus ⚓	45	30	41·6	35·4	38·6	+ 0·6	0	24	2	0·08	−0·97	0·0	?	0	?
	Fort William ⚓	45	33	42·5	36·5	39·6	+ 0·4	1	20	2	0·50	−1·61	1·6	?	3	?
1. SCOTLAND, E.	Nairn ⚓	42	32	39·7	30·4	35·2	− 2·3	0	48	3	0·37	−0·07	*	*	*	*
	Aberdeen ⚓	42	28	40·1	33·9	37·1	− 0·1	0	34	5	0·60	−0·09	0·0	− 9·6	0	−20
	Braemar ⚓	38	22	35·2	29·8	32·6	− 1·6	0	66	5	0·13	−0·54	0·0†	?†	0†	?†
	Ochtertyre ⚓	39	29	36·1	31·9	34·1	− 1·9	0	55	6	0·77	−0·23	*	*	*	*
	Leith ⚓	42	25	39·7	31·9	36·0	− 2·8	0	42	2	0·46	+0·04	*	*	*	*
	Marchmont ⚓	39	24	36·1	30·0	33·2	− 3·0	0	62	4	0·29	−0·39	1·3	?	3	?
2. ENGLAND, N.E.	Alnwick Castle	42	31	39·0	33·1	36·3	− 1·3	0	40	6	0·64	−0·01	*	*	*	*
	Durham	40	20	36·6	30·2	33·5	− 3·2	0	60	5	0·56	−0·05	0·2	− 9·4	0	−19
	Shields	43	26	40·4	32·3	36·5	− 1·8	0	39	5	0·46	−0·07	*	*	*	*
	Scarborough ⚓												*	*	*	*
	York	40	27	38·4	31·0	34·2	− 2·3	0	50	4	0·53	+0·03				
	Spurn Head	42	32	39·0	34·6	36·9	− 1·7	0	36	2	0·22	−0·29	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	39	25	36·7	30·2	33·6	− 3·2	0	59	3	0·35	−0·17	4·7	− 4·1	9	− 8
	Yarmouth	40	30	38·0	31·1	34·7	− 2·8	0	51	3	0·21	−0·37	*	*	*	*
	Geldeston	41	24	37·8	30·6	34·3	− 3·5	0	54	3	0·32	−0·13	3·6	− 7·4	7	−13
	Cambridge	45	20	37·3	27·4	32·6	− 4·6	0	66	4	0·31	−0·08	1·0	− 8·3	2	−16
	Rothamsted	46	22	36·8	29·0	33·1	− 4·2	0	62	3	0·52	−0·05	3·5	?	7	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	40	23	36·1	28·9	32·6	− 4·6	0	66	2	0·47	−0·03	*	*	*	*
	Loughborough	46	19	36·3	28·3	32·5	− 4·9	0	67	2	0·31	−0·21	*	*	*	*
	Stamford (Ketton Hall)	44	18	36·1	27·7	32·1	− 4·9	0	69	1	0·22	−0·28	*	*	*	*
	Cheadle ⚓	39	22	33·9	28·4	31·3	− 5·0	0	75	3	0·87	−0·13	*	*	*	*
	Solihull	45	24	35·3	28·9	32·2	− 5·2	0	69	1	0·21	?	*	*	*	*
	Churchstoke ⚓	46	25	35·9	29·8	33·0	− 4·9	0	63	2	0·34	−0·34	0·0	− 8·8	0	−17
	Hereford ⚓	46	28	36·8	30·7	33·9	− 4·3	0	57	6	0·57	+0·05	*	*	*	*
	Cirencester	46	28	36·4	29·7	33·2	− 4·0	0	62	3	0·61	−0·06	0·5	− 8·0	1	−15
	Oxford	48	25	37·6	30·4	34·1	− 4·1	0	55	3	0·49	+0·01	1·7	− 6·8	3	−13
5. ENGLAND, S.	London	48	26	38·7	30·6	34·8	− 4·2	0	50	4	0·54	+0·04	0·4†	− 4·4	1†	− 7
	North Foreland	46	31	39·9	33·1	36·6	− 2·9	0	38	3	0·71	?	*	*	*	*
	Strathfield Turgiss ⚓	48	25	39·2	29·7	34·6	− 3·0	0	52	6	0·70	+0·20	*	*	*	*
	Dungeness	48	25	40·9	33·3	37·3	− 2·6	0	33	4	0·73	+0·07	*	*	*	*
	Hastings (St. Leonards)	47	30	39·5	33·1	36·4	− 3·5	0	39	3	1·35	+0·70	3·9	− 8·8	7	−16
	Southampton	49	31	41·5	34·4	38·1	− 1·8	0	27	5	0·59	−0·13	0·7	− 9·9	1	−18
	Hurst Castle	48	31	42·7	36·7	39·8	− 0·8	2	20	5	0·62	−0·02	*	*	*	*
	Stowell ⚓	50	29	39·4	32·7	36·2	− 2·2	0	41	6	0·90	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	34	48·4	36·1	42·5	+ 2·6	28	17	1	0·17	−1·91	*	*	*	*
	Glasgow	41	28	38·0	33·4	35·8	− 2·4	0	43	2	0·82	−0·10	0·0	− 3·8	0	− 8
	Ardrossan	46	29	40·7	33·3	37·2	− 3·0	0	34	1	0·24	−0·64	*	*	*	*
	Glenlee ⚓	40	24	36·2	30·4	33·4	− 3·8	0	60	2	0·71	−0·76	*	*	*	*
	Douglas (Isle of Man)	43	35	40·3	36·9	38·7	− 2·1	0	23	2	0·63	−0·39	0·0	− 9·3	0	−19
7. ENGLAND, N.W.	Stonyhurst	38	29	35·6	31·2	33·4	− 4·1	0	60	1	0·84	−0·14	3·5	− 3·0	7	− 5
	Blackpool ⚓	47	24	38·8	29·0	34·1	− 4·7	0	55	1	0·40	−0·33	0·0	− 6·0	0	−12
	Manchester (Prestwich)	41	25	36·5	30·1	33·4	− 4·0	0	60	2	0·83	+0·03	1·4	?	3	?
	Liverpool Obsy. (Bidston)	48	26	38·0	31·1	34·7	− 4·9	0	51	2	0·38	−0·18	*	*	*	*
	Llandudno ⚓	50	31	39·6	33·3	36·6	− 4·9	0	38	2	0·27	−0·41	0·4	− 5·6	1	−11
	Holyhead	49	31	41·1	33·4	37·4	− 5·2	0	32	3	0·23	−0·61	*	*	*	*
8. ENGLAND, S.W.	Llandovery	50	26	40·0	30·9	35·6	− 5·0	0	45	6	0·53	−0·70	*	*	*	*
	Pembroke	49	33	43·1	35·6	39·5	− 3·8	3	24	7	1·18	+0·29	0·0	−10·6	0	−20
	Bristol (Montpelier)	49	31	38·9	33·3	36·2	− 3·2	0	41	5	0·64	−0·07	*	*	*	*
	Arlington (N. Devon)	50	25	44·1	31·9	38·2	− 2·0	6	38	5	0·94	+0·26	*	*	*	*
	Cullompton ⚓	50	30	42·6	35·2	39·1	− 0·3	2	29	6	1·90	+1·12	0·0	− 8·0	0	−14
	Falmouth	54	43	49·5	44·4	47·1	+ 3·2	36	0	7	5·20	+4·60	3·2	− 8·8	6	−15
	Plymouth	53	36	47·2	40·4	43·9	+ 2·0	20	4	7	2·38	+1·48	2·5	− 8·5	5	−15
	Prawle Point	51	31	47·3	38·7	43·2	+ 1·1	22	9	7	3·31	+2·51	*	*	*	*
9. IRELAND, N.	Malin Head	48	32	41·1	35·9	38·6	− 1·0	0	24	4	0·52	?	*	*	*	*
	Londonderry	50	32	40·0	34·2	37·2	− 2·3	0	34	4	0·62	−0·26	*	*	*	*
	Edenfel (Omagh)	49	29	39·9	34·0	37·1	− 0·8	0	34	3	1·49	+0·69	*	*	*	*
	Belmullet	49	34	41·0	35·0	39·2	− 4·2	3	27	7	0·73	?	*	*	*	*
	Markree Castle	52	34	41·4	35·9	38·8	− 0·2	0	22	6	0·97	+0·17	0·1	− 8·8	0	−16
	Brookeborough	50	33	40·6	35·1	38·0	+ 0·8	0	28	5	1·14	+0·52	*	*	*	*
	Armagh	49	34	40·3	35·6	38·0	− 0·2	0	28	5	1·02	+0·40	0·0	− 8·5	0	−16
	Donaghadee	48	36	42·1	37·1	39·7	− 1·2	0	18	4	0·78	−0·14	*	*	*	*
	Edgeworthstown	51	32	44·2	35·7	40·1	+ 2·2	6	25	6	1·03	+0·33	*	*	*	*
10. IRELAND, S.	Dublin	54	36	43·8	37·7	40·9	− 0·1	5	17	7	2·37	+1·85	2·0	− 9·1	4	−17
	Parsonstown	53	21	44·0	34·3	39·3	+ 0·3	6	29	6	1·09	+0·39	0·0	−10·3	0	−18
	Kilkenny	53	22	43·9	35·1	39·7	− 0·3	5	27	7	2·57	+1·83	*	*	*	*
	Roche's Point	52	38	49·6	43·4	46·6	+ 3·1	32	0	7	5·80	+4·65	*	*	*	*
	Valencia	54	41	51·9	43·6	47·9	+ 5·0	41	0	6	2·18	+1·80	0·9	−10·3	2	−18
	Killarney	53	30	49·9	41·5	45·9	+ 3·7	29	1	6	4·03	?	*	*	*	*
	Foynes	55	36	45·8	39·4	43·3	+ 2·4	20	7	6	1·61	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	40	53·4	44·9	49·3	+ 3·0	51	0	6	2·26	+1·36	7·7	?	14	?
	Jersey	52	38	48·1	41·3	44·8	+ 1·8	23	2	7	2·08	+1·27	1·3	−12·5	2	−22

Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

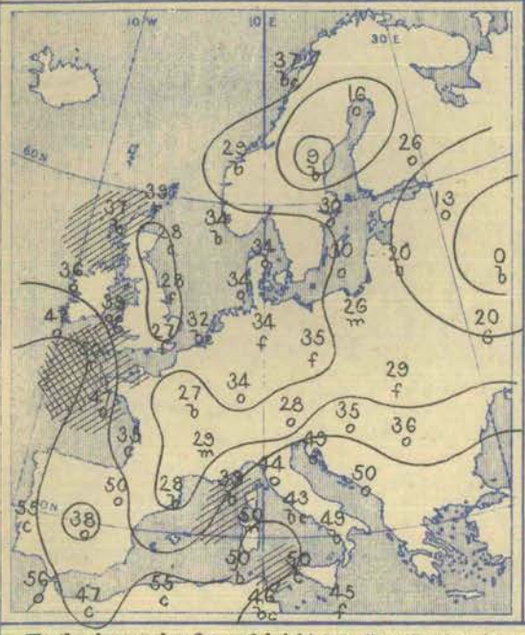
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine see last page.

Sunday, 22nd December.

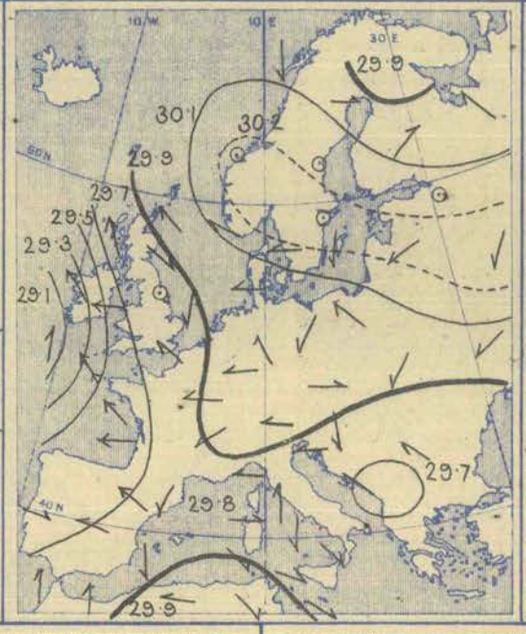
Temperature and Weather.

8 a.m.

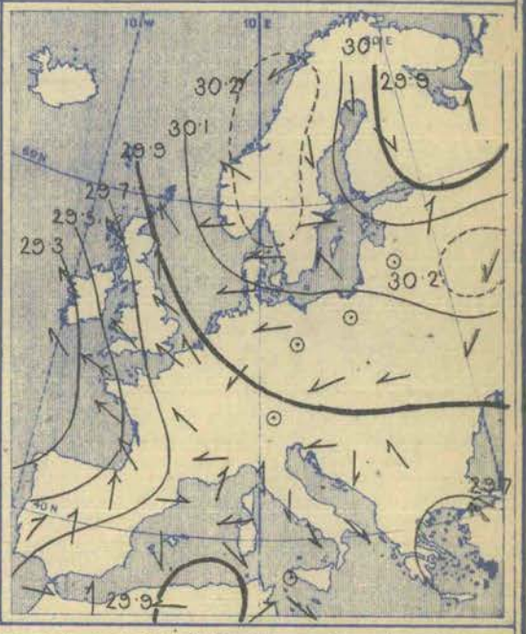


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Scandinavia on the one hand, and over the Mediterranean and France on the other; cloudy or overcast elsewhere, with fog over central Europe and the eastern half of England, very rough and unsettled in the western parts of the British Islands, with much rain in the south-east of Ireland. Nearly an inch-and-a-half of rain at Roches Point later, and half an inch at Parsonstown and Scilly; slight showers in several other parts of our Islands, and a little snow in several parts of Russia.

Temperature rising over the western parts of our Islands and the south-west of France, changing irregularly elsewhere. Morning readings highest, 56° to 55° on the western coast of the Iberian Peninsula, 55° at Algiers, 50° at Palermo and Scilly, much lower inland. Lowest, 0° (zero.) Fahr. at Kharkov and Moscow, 8° at Archangel, and below 20° over the greater part of Russia, 24° at Limoges, 27° at Paris, 21° at Cambridge, and below 30° over central England generally. Rising decidedly over the latter regions later, but not touching 40°; rising to between 60° and 66° in many parts of southern Europe, to 59° at Biarritz, and to 51° at Valencia and Scilly.

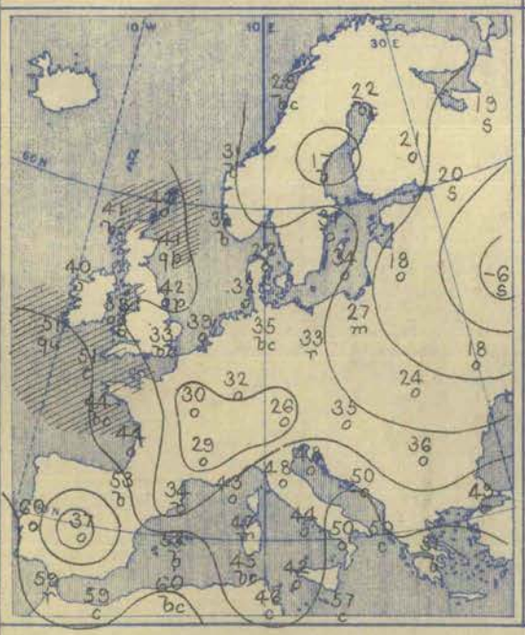
Wind light to moderate in force, and very variable in direction over the greater part of the Continent and the eastern half of England, but chiefly Easterly over the Baltic; South-Easterly over Brittany and the west and north-west of our Islands, and increasing to a gale in many places—a strong gale at Scilly and Roche's Point; Westerly at Lisbon and in the Azores. Gale in the west becoming stronger later, and the South-Easterly wind spreading all over England.

Barometer highest, 30·2 ins. and more to 30·0 ins. in an elongated anticyclone lying over the northern half of Continental Europe, and 30·0 ins. and more to 29·9 ins. over northern Africa. Lowest, below 29·2 ins. off the west of Ireland; gradients very steep over the western parts of the United Kingdom, slight elsewhere. Low pressure area in the west "surging" eastwards later, and so spreading all over Great Britain.

Monday, 23rd December.

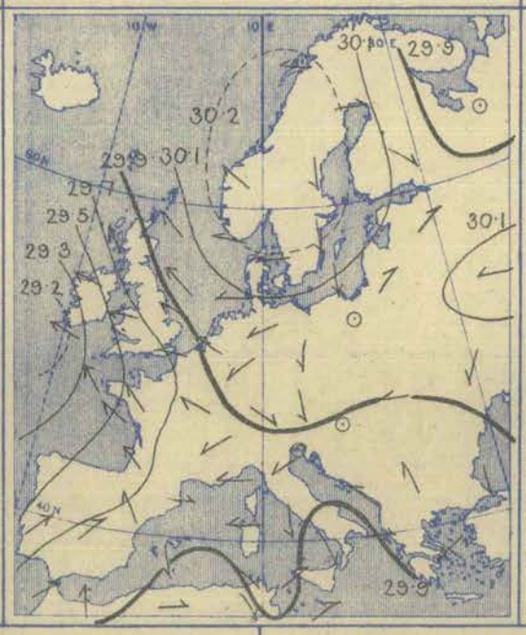
Temperature and Weather.

8 a.m.

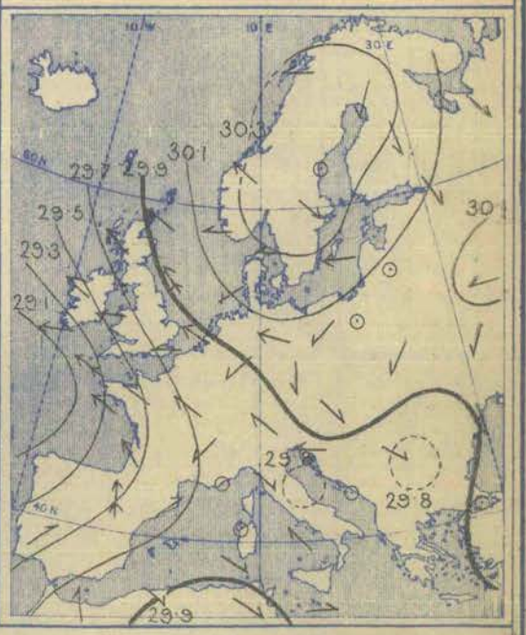


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright over northern Europe, the south-east of England, Brittany, and the greater part of the Mediterranean, very dull, squally, and unsettled in the west of the British Islands, showery and unsettled at Aberdeen. Heavy falls of rain in the south-west of our Islands and over Brittany later (1·80 ins. at Roche's Point), rain and hail showers at several of our north-eastern stations; a good deal of snow over Austria, and slight falls in some parts of Russia.

Temperature risen decidedly over England and France, fallen a little over central and northern Europe. Morning readings highest, 60° at Lisbon, 59° at Algiers and San Fernando, 51° at Valencia and Scilly. Lowest, – 6° Fahr. at Moscow, and 14° to 20° at the other Russian stations, 28° to 30° over the east and north-east of France, 33° to 35° over central England; not exceeding 35° over the east of England later, but touching 52° at Scilly and Valencia, 60° to 63° over the south of Italy and at Lisbon, 64° at Biarritz, and more than 70° on the Algerian coast.

Wind still light and variable over Continental Europe as a whole, but South-Westerly over Spain; South-Easterly and strong over the Bay of Biscay, and blowing a gale over the British Islands, especially on our western coasts. Anticyclonic winds prevalent over Scandinavia; Northerly breezes over the Baltic. The South-Easterly gale increasing greatly in force later, and beginning to spread to the eastern shores of the North Sea.

Barometer highest, 30·2 ins. and more to 30·0 ins. in an anticyclone lying over Scandinavia and the north-eastern half of the North Sea, and exceeding 29·8 ins. over the south-east of Spain. Lowest, 29·2 ins. and apparently much less in a large depression lying off the west of Ireland; gradients steep over the United Kingdom. Falling quickly on our south-west coasts, and in the west of France all day; depression apparently moving south-eastwards, and spreading eastwards.

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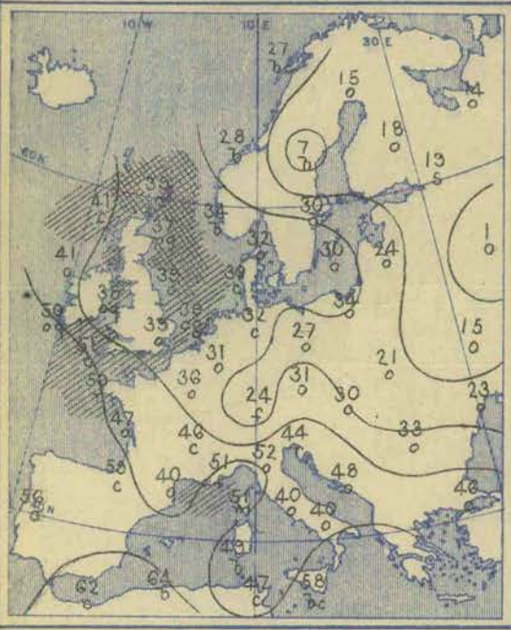
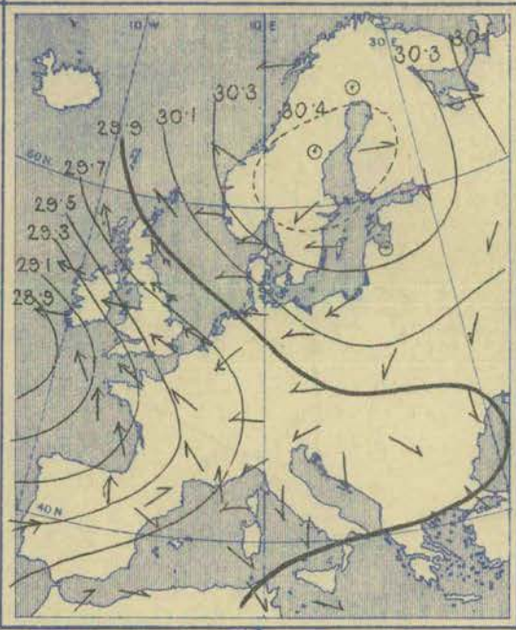
Tuesday, 24th December.

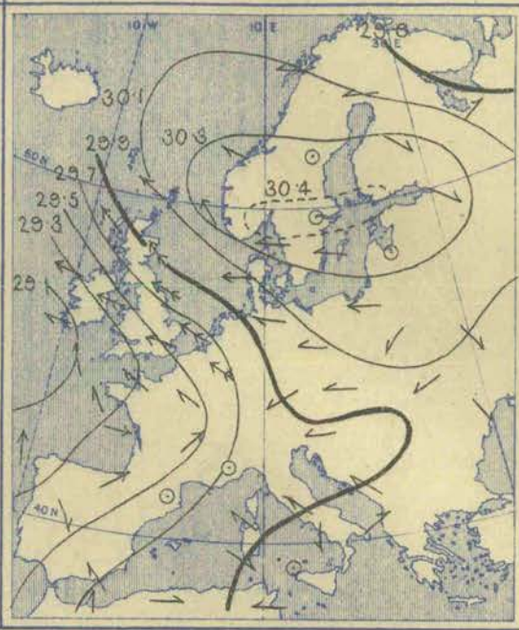
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine, bright, and quiet over Scandinavia, quiet but dull over the Baltic and Russia, dull and unsettled in France, with rain in places. Very dull, rough, and squally over the British Islands, with rain at the western stations, sleet at times in the north and north-east. Cold rain or snow later in almost all parts of the British Islands and France—heavy in the south-west, considerable in the south-east, slight in the north and north-east; weather dry over northern, central, and eastern Europe.

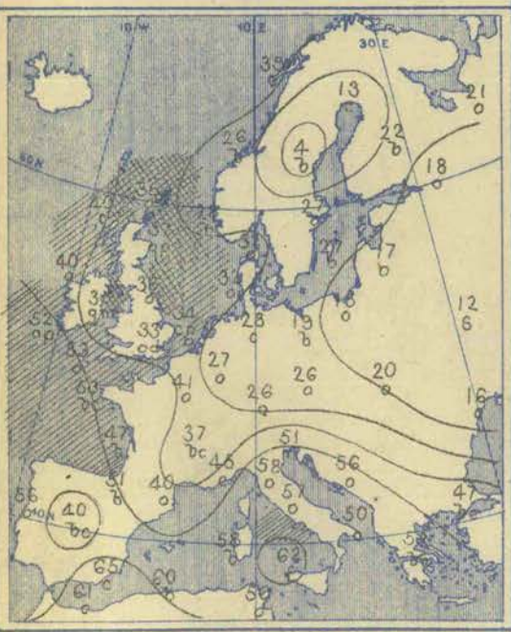
Temperature risen over England and France, fallen over central Europe. Morning readings highest, 64° at Algiers, 62° at Nemours, 59° at Biarritz, 53° at Brest, 51° at Scilly, 50° at Valencia. Lowest, 1° Fahr. at Moscow, and below 20° Fahr. over by far the greater part of Russia and Finland, 24° at Riga, 26° at Breslau; above 35° over England. Not much change later except in the south and south-west of France, where it reached 63° to 66° in some places.

Wind South-Westerly strong to moderate over the south-western parts of Europe; South-Easterly strong in the north of France; South-Easterly to Easterly over the British Isles, and blowing a hard gale on our west, north, and east coasts, and a moderate gale at the Helder. Gale continuing all day on our coasts, but light to moderate anticyclonic breezes prevailing over northern and eastern Europe all day.

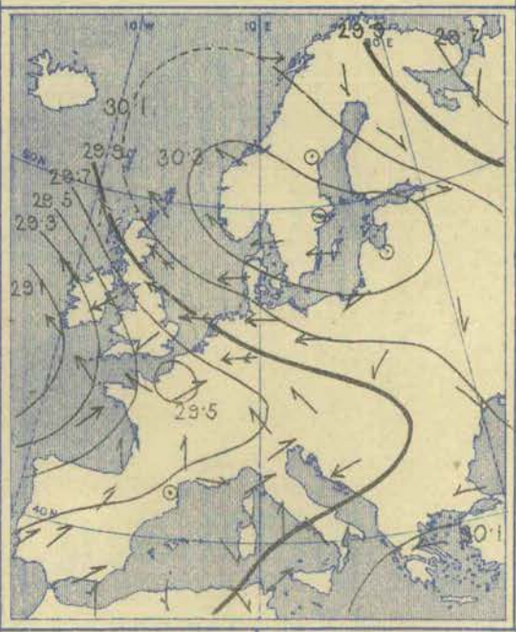
Barometer highest, 30·4 ins. and more to 30·6 ins. in a large anticyclone covering northern Europe, and having its central area over Scandinavia. Lowest, below 29·6 ins. in a large depression lying to the south-westward of the Irish coast. Gradients very steep over the British Islands. The depression showing some sign of decreasing in intensity later.

Wednesday, 25th December.

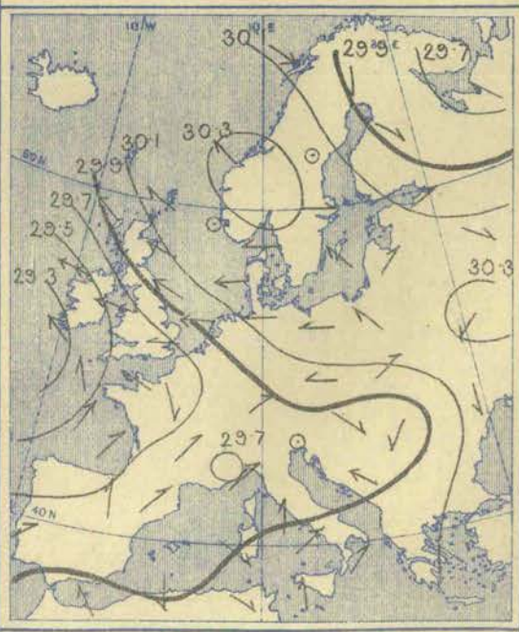
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine and bright over Scandinavia, as well as over the west of France, the greater part of Spain, the southern shores of the Mediterranean, and south-eastern Europe, overcast elsewhere, with snow in the south of Russia, very dull, rough, and unsettled over the British Islands, with unusually continuous and heavy rain in the south-east of Ireland. Much rain over our south-western districts later (1·20 ins. at Roche's Point), and also in the east of France, snow showers over central Europe, and locally in Scotland also, but sky clearing over the Riviera.

Temperature highest, morning readings 62° at Palermo, and more than 60° on the Algerian coast, 56° at Lisbon, 55° at Bilbao, 53° at Scilly, 52° at Valencia, 46° at Jersey. Lowest, 9° to 16° in the south of Russia, 13° to 23° over Finland and the north of Russia, 14° at Warsaw, 19° at Berlin, 22° at Breslau, 32° to 34° over central England. Not touching 30° over Germany, or 40° over England during the day, but rising to between 60° and 65° in the south of France, to 66° or more in some parts of Italy, 65° in the south of Spain, and 75° at Algiers.

Wind Easterly and fresh over Germany, a strong gale in Holland, and on the eastern, northern, and western coasts of the British Islands, and a strong, squally breeze over the English Channel; Southerly fresh to moderate over the Bay of Biscay; South-Westerly over Spain and the northern half of Italy. Gale beginning to moderate on our east and north-east coasts later, but still blowing very hard in the west and north-west. A Westerly to North-Westerly breeze setting in over northern Europe.

Barometer highest, 30·3 ins. to 30·6 ins. in a large anticyclone covering all the northern countries of Europe and the greater part of the North Sea, and above 29·8 ins. over Algeria and the south-east of Spain. Lowest, 29·1 ins. and less in a large depression still lying off the south-west of Ireland; (gradients very steep over the British Islands); and below 29·5 ins. in a small secondary system over the north-east of France. Latter system dispersing later, and the large one in the west decreasing considerably in intensity.

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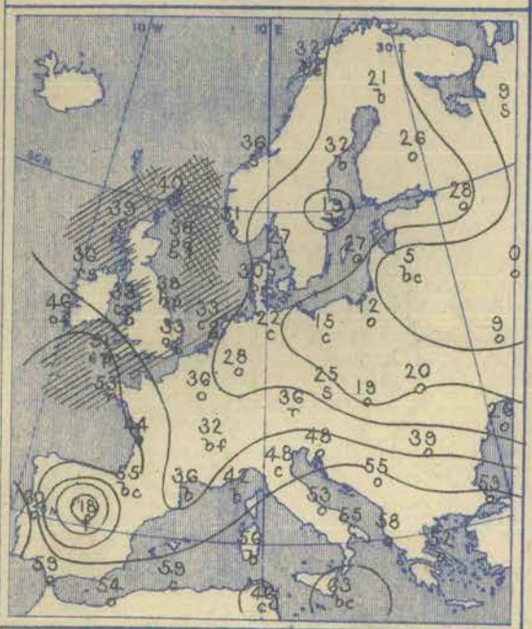
Thursday, 26th December.

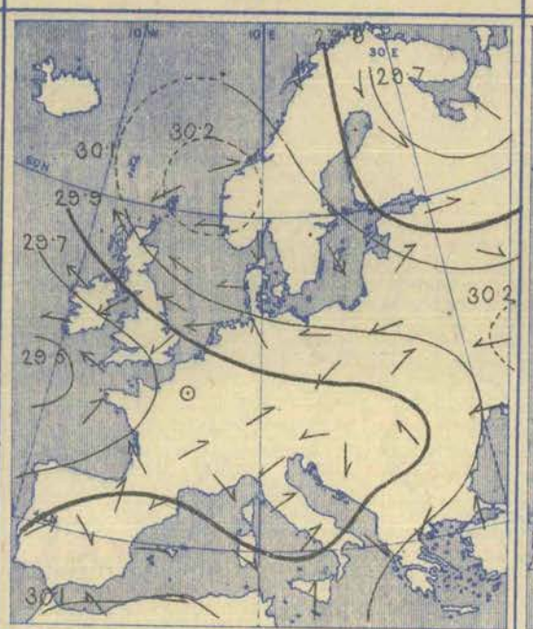
Temperature and Weather. 8 a.m.



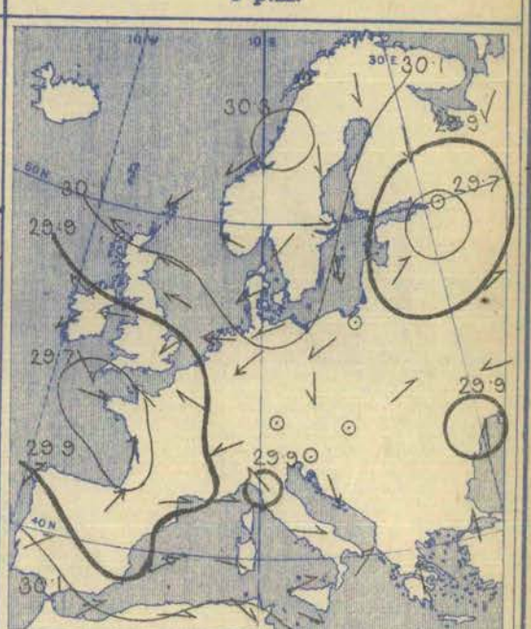
Weather in morning fine over nearly the whole of Scandinavia, the north-east of Ireland, the south of France and the Mediterranean, dull and gloomy elsewhere, with rain and snow over south Germany, the north of France, the Channel, and south of England. Cold rain or wet snow falling later over France and the southern counties of England and Ireland—amounts very large in places; slight local showers in the north of Scotland and west of Norway.

Temperature risen fast over Finland and Sweden, fallen a little in most other places, and quickly in the north of Russia. Morning readings highest, 63° at Malta, 60° at Lisbon, 59° at Algiers, San Fernando, and Bilbao, 53° at Brest, 51° at Scilly, 48° at Jersey, 46° at Valencia. Lowest, (1) – 11° Fahr. at Kharkov, 0° at Moscow, 9° at Kiev, and also at Archangel, 12° to 15° over north Germany, 14° at Karlstad, 31° at Loughborough, Oxford, and Cambridge. Changing very irregularly in our Islands later, but not altering permanently; rising to 60° or more in the south of France, and to 70° at Palermo, and on the Algerian coast.

Barometer and Wind. 8 a.m.



6 p.m.

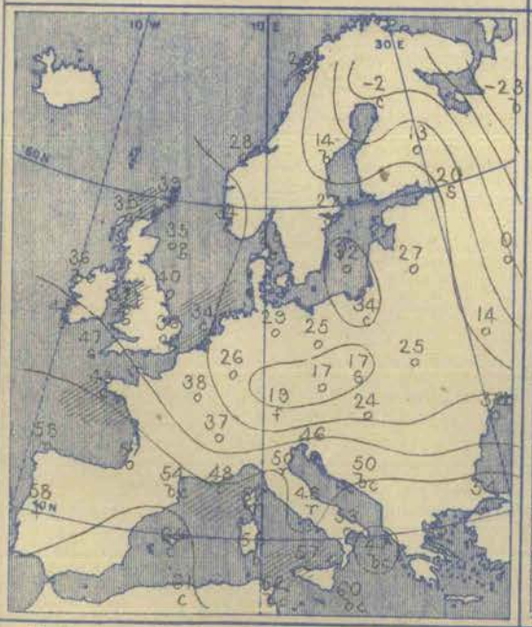


Wind (1) light and anticyclonic over Norway and the north-eastern parts of the North Sea; (2) Northerly to Westerly over Finland; (3) Easterly moderate over England: South-Easterly fresh in Scotland; strong to a gale in the east and north of Ireland; Southerly fresh over the Bay of Biscay. Gale subsiding later at the Irish stations, and wind shifting to North-West and West at the mouth of the English Channel.

Barometer highest, (1) 30·3 ins. to 30·2 ins. in an anticyclone over the south of Russia; (2) 30·2 ins. and more over the west of Norway and the Shetlands, and exceeding 30·0 ins. over Scotland, the North Sea, the Baltic, and Norway. Lowest, below 29·6 ins. off the south-west coasts of Ireland and England, and below 29·7 ins. over the north of Russia. Low pressure area off our south-west coasts continuing to fill up during day; barometer rising over north-western Europe generally.

Friday, 27th December.

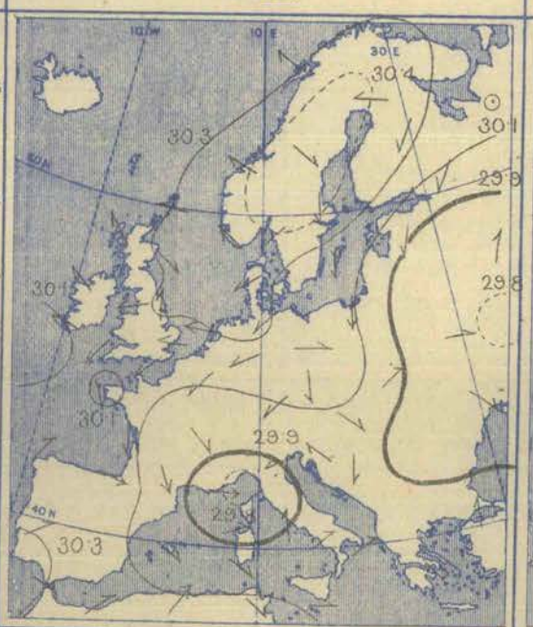
Temperature and Weather. 8 a.m.



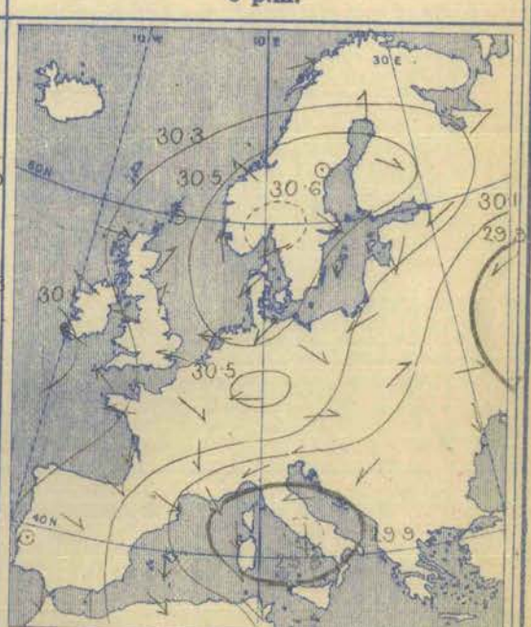
Weather in morning fine and bright over many parts of Scandinavia and Finland, as well as in some parts of Ireland, Tunis, and at Malta. Very dull elsewhere, with fog in many parts of central Europe, snow at several of the German and Russian stations, rain in the north of Italy and over south-eastern Europe. Considerable rain falling later in the west of the British Islands, and at Haparanda; some local showers in Scotland, very heavy rain over Italy. Sky continuing overcast at the English stations.

Temperature highest, 64° at Palma, 61° at Algiers, 60° at Malta, 58° on the Portuguese coasts, 49° at Brest, 43° at Valencia (Ireland). Lowest, – 23° Fahr. at Archangel, – 2° at Haparanda, 0° (zero) at Moscow, 15° at Kharkov, and 14° to 19° over the greater part of central Europe. A little above the freezing point over the greater part of our Islands; rising quickly in Ireland later, falling a little over England; touching 68° on the Algerian coast, 70° at Palermo, but scarcely exceeding 50° in the north of Italy.

Barometer and Wind. 8 a.m.



6 p.m.



Wind (1) light to fresh from between North-East and South-East over England and Ireland; light and variable in Scotland; South-Easterly in the west of Norway; (2) Northerly strong to a gale over the Baltic; North-Westerly light over Hungary. Freshening from East and South-East in Ireland and England later, but scarcely changing over England. Northerly gale subsiding over the Baltic.

Barometer highest, (1) 30·4 ins. and more to 30·3 ins. in an anticyclone covering Scandinavia and the North Sea; (2) 30·3 ins. to 30·2 ins. over the Iberian Peninsula. Lowest, below 29·8 ins. in two depressions, one off the south coast of France, the other over the southern half of Russia, and below 30·1 ins. off the south-west of Ireland. Beginning to fall again in Ireland later, but rising fast over the North Sea and central Europe, the northern anticyclone moving southwards.

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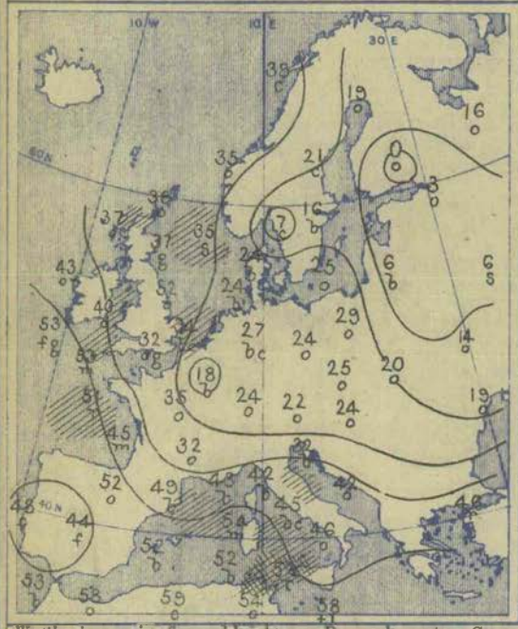
Saturday, 28th December.

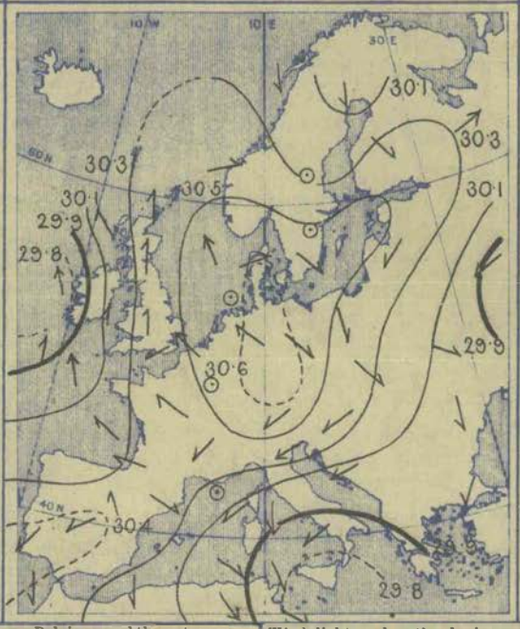
Temperature and Weather. — 8 a.m.

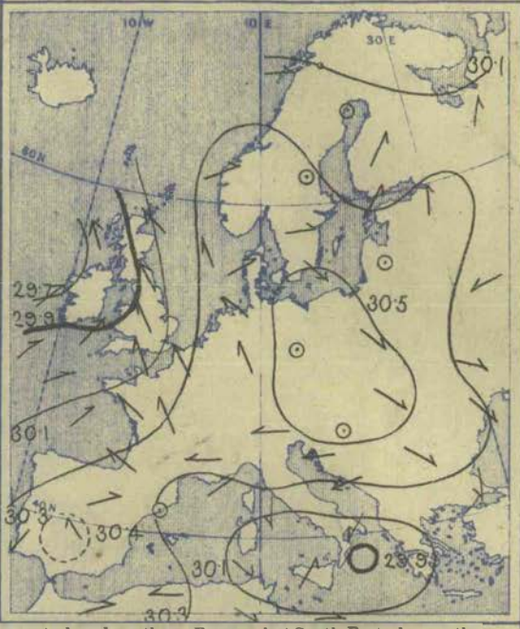


Weather in morning fine and bright over Denmark, western Germany, Belgium, and the extreme east of England, cloudy or overcast elsewhere, with snow in some parts of Russia, rain in the west and south-west of our Islands, as well as over the south-eastern parts of the Mediterranean, and a thunderstorm at Malta. Rain falling later in all parts of the British Islands and France, the fall heavy over Brittany and the west of France, moderate at our own stations, fog prevalent at times off our south-western coasts.

Temperature rising quickly at our western and south-western stations, falling fast over Finland and the north of Russia, Spain, the eastern parts of the Mediterranean, and south-eastern Europe. Morning readings highest, 59° at Algiers, 58° at Malta, 55° at Valencia (Ireland) and Scilly, 51° at Brest. Lowest, 0° (zero) Fahr. at Kuopio and Helsingfors, 3° at St. Petersburg, 6° at Hangö, Riga, and Moscow, and below 20° over Russia generally, 18° at Brussels, 22° at Münster and Munich, 31° to 33° over the northern and midland parts of England. Rising later to 48° in London, to between 54° and 50° all over Ireland, and to between 59° and 55° on the west and south-west coasts of France, and to 61° in the south of Italy, but not touching 30° over Germany and the east of France.

Barometer and Wind. — 8 a.m. and 6 p.m.





Wind light and anticyclonic over central and northern Europe, but South-Easterly over the British Islands, and blowing a moderate gale at some of our western stations. North-Easterly to Northerly and strong over the northern parts of Italy and the Adriatic; North-Westerly moderate to fresh over Sicily, Malta, and Tunis; South-Easterly and Southerly gales felt in Scotland later, and wind in our Islands veering to South or South-West at all stations; North-Easterly gales over the northern parts of Italy and the Adriatic.

Barometer highest, 30·6 ins. and more over Denmark and western Germany, and exceeding 30·3 ins. in a large anticyclone covering central and the greater part of northern Europe. Lowest, below 29·8 ins. in a depression off the west of Ireland, and in another having its centre a little to the south-eastward of Sicily; below 30·1 ins. in a small disturbance at the northern extremity of the Gulf of Bothnia. Irish depression moving north-eastwards later, and barometer falling decidedly all over the British Islands.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus : ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 308.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	0·0	?	0	?	EASTBOURNE	4·3	?	8	?
OSWALDKIRK (Yorkshire)	2·1	?	4	?	MANCHESTER (Oldham Road)	0·0*	?	0*	?
WORKSOP	0·0	- 7·6	0	- 14	TENBY				?
THURCASTON (Leicestershire)	0·8	- 4·7	2	- 9	NEWQUAY				
MARGATE	3·9	?	7	?	TORQUAY	0·2*	?	0*	?
WESTBOURNE (Sussex)	5·0*	?	9*	?	ARLEY COTTAGE (County Cavan)	0·3	?	1	?
BRIGHTON	4·2	?	8	?	GUERNSEY	1·3*	?	2*	?

* The values at Westbourne, Manchester, Tenby, Torquay, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
Week ending Dec. 7th, 1895.	York	—	—	—	—	—	—	—	—	—	—	—	8·3	+ 2·8	17	+ 5
" " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	6·9	?	13	?
" " " 14th, "	Tenby	—	—	—	—	—	—	—	—	—	—	—	18·6	?	26	?

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QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX I.] *New Series.*

FIRST QUARTER—JANUARY TO MARCH.

[*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE THIRTY YEARS, 1866 TO 1895.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866–70	—	12·6	—	9·6	—	5·4	—	5·7	—	6·9	—	8·5	—	7·2	—	12·6	—	11·8	—	13·7	—	11·8	—	11·0	—	12·2	—	—	—	9·7
	Means for 5 years, 1871–75	—	9·1	—	7·8	—	4·9	—	4·4	—	6·6	—	7·1	—	6·2	—	11·1	—	10·4	—	13·7	—	9·5	—	10·5	—	11·0	—	—	—	8·6
	Means for 5 years, 1876–80	—	9·5	—	7·2	—	5·3	—	5·7	—	6·2	—	7·2	—	6·3	—	11·2	—	9·5	—	9·9	—	9·2	—	10·0	—	10·0	—	—	—	8·2
	Means for 5 years, 1881–85	65	9·9	49	6·2	45	5·2	44	5·1	45	6·4	43	6·4	45	5·9	58	12·5	50	8·8	53	9·7	61	9·4	58	11·9	56	10·5	57	8·2	51	8·2
	1886	70	9·5	55	5·9	56	6·3	54	4·9	49	6·5	48	6·3	53	6·0	57	11·2	54	9·0	57	10·8	58	10·0	55	11·2	56	10·4	68	8·9	55	8·2
	1887	60	12·1	43	5·3	38	3·8	33	3·8	35	4·1	34	4·1	36	4·2	47	9·7	38	5·9	38	5·5	47	7·3	40	7·6	41	7·2	42	4·3	39	5·7
	1888	62	10·2	55	6·9	49	5·6	50	5·1	43	4·6	46	5·8	49	5·6	41	8·6	51	5·0	48	7·1	47	7·2	41	7·6	46	7·1	61	7·3	48	6·4
	1889	72	13·8	52	4·8	46	4·8	47	3·9	43	5·6	47	5·1	47	4·8	48	10·6	51	6·0	48	9·1	66	8·6	55	8·6	56	8·6	58	6·7	52	6·7
	1890	67	15·2	54	8·1	48	5·3	52	5·6	46	5·1	46	5·6	49	5·9	60	13·6	56	8·4	53	8·9	62	8·7	58	12·7	58	10·5	54	8·3	54	8·2
	Means for 5 years, 1886–90	66	12·2	52	6·2	47	5·2	47	4·7	43	5·2	44	5·4	47	5·3	53	10·7	50	6·9	49	8·3	56	8·4	50	9·5	52	8·8	57	7·1	50	7·1
	1891	65	14·7	38	5·1	43	3·7	43	3·8	37	4·1	38	5·8	40	4·5	47	9·2	35	4·4	38	6·8	49	5·5	42	5·6	42	6·3	43	6·2	41	5·4
	1892	63	11·2	46	5·5	47	4·4	49	4·0	44	4·0	38	3·7	45	4·3	47	8·0	46	6·3	47	6·4	49	5·9	45	7·6	47	6·8	52	6·9	47	5·6
	1893	65	12·8	51	5·9	44	4·5	49	5·2	48	5·0	48	5·9	48	5·3	57	10·0	49	6·4	49	8·7	59	7·8	50	8·7	53	8·3	56	7·3	52	6·8
	1894	68	21·1	56	11·0	51	5·4	47	4·2	54	5·8	49	6·3	51	6·5	64	18·6	56	9·9	56	10·5	64	12·3	61	10·9	60	12·4	56	7·7	56	9·5
	1895	59	9·8	48	6·4	58	7·5	52	5·6	42	5·4	41	4·7	48	5·9	48	6·7	48	6·7	46	8·1	56	7·7	48	9·5	49	7·7	55	7·3	49	6·8
	Means for 5 years, 1891–95	64	13·9	48	6·8	49	5·1	48	4·6	45	4·9	43	5·3	47	5·3	53	10·5	47	6·7	47	8·1	55	7·8	49	8·5	50	8·3	52	7·1	49	6·8
	Means for 30 years, 1866–95	—	11·2	—	7·3	—	5·2	—	5·0	—	6·0	—	6·7	—	6·0	—	11·4	—	9·0	—	10·6	—	9·4	—	10·2	—	10·1	—	—	—	8·1
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866–70	38°·8		39°·1		38°·9		39°·9		39°·9		40°·7		39°·7		40°·1		40°·5		43°·1		40°·6		42°·1		41°·3		—		40°·5	
	Means for 5 years, 1871–75	40·2		40·0		39·7		39·9		40·5		41·2		40·3		40·8		41·6		44·0		41·6		43·7		42·3		—		41·3	
	Means for 5 years, 1876–80	38·6		38·2		39·2		39·4		39·8		40·6		39·4		39·9		40·2		43·2		40·8		43·6		41·5		—		40·5	
	Means for 5 years, 1881–85	38·8		38·9		39·4		39·8		39·9		41·4		39·9		40·2		40·5		42·7		41·3		43·1		41·6		44·9		44·8	
	1886	36·5		36·1		36·2		35·6		36·0		37·2		36·2		37·2		36·9		38·4		38·6		40·0		38·2		42·0		37·2	
	1887	39·4		39·2		38·7		37·5		37·8		38·7		38·4		39·8		39·0		40·4		41·3		42·3		40·6		42·7		39·5	
	1888	36·2		36·3		37·3		36·5		36·8		37·4		36·9		38·1		37·7		38·5		39·4		40·5		38·8		41·6		37·9	
	1889	38·5		38·6		38·6		37·5		38·2		39·0		38·4		40·1		39·7		40·8		41·3		42·9		41·0		44·1		39·7	
	1890	40·0		39·8		40·7		40·1		40·4		41·6		40·5		41·3		41·2		42·7		42·0		43·5		42·1		45·7		41·3	
	Means for 5 years, 1886–90	38·1		38·0		38·3		37·4		37·8		38·8		38·1		39·3		38·9		40·2		40·5		41·8		40·1		43·2		39·1	
	1891	38·4		38·0		37·9		37·4		38·0		38·4		37·9		39·6		39·5		40·2		40·8		42·3		40·5		43·1		39·2	
	1892	36·3		36·1		36·9		36·3		36·6		38·3		36·8		37·9		37·9		39·7		39·2		40·3		39·0		43·0		37·9	
	1893	38·8		38·8		40·2		39·8		40·3		41·3		40·1		40·7		41·2		42·8		42·2		43·8		42·1		46·0		41·1	
	1894	39·2		38·8		39·8		40·0		40·4		41·8		40·2		41·0		42·0		42·7		41·8		43·6		42·2		45·5		41·2	
	1895	34·3		32·5		34·9		34·4		33·6		35·3		34·1		34·8		35·0		36·4		36·5		38·4		36·2		39·9		35·2	
	Means for 5 years, 1891–95	37·4		36·8		37·9		37·6		37·8		39·0		37·8		38·8		39·1		40·4		40·1		41·7		40·0		43·5		38·9	
	Means for 30 years, 1866–95	38·6		38·5		38·9		39·0		39·3		40·3		39·2		39·9		40·0		42·2		40·8		42·7		41·1		—		40·2	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY YEARS, 1866 TO 1895.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 4·2 in 1880 and 1887	Ins. 6·3 in 1891	Ins. 5·4 in 1891
	Wettest	9·0 in 1872	14·9 in 1872	12·0 in 1872
Temperature	Coldest	34°·1 in 1895	36°·2 in 1895	35°·2 in 1895
	Warmest	42°·8 in 1882	44°·6 in 1882	43°·7 in 1882

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FIRST QUARTER, 1895.

YEAR AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.																	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.
Rainfall.—Numbers of Days with Rain.																														
January	21	21	17	17	22	22	21	21	17	17	18	18	19	19	18	18	20	20	21	21	21	21	21	21	20	20	25	25	20	20
February	11	32	10	27	14	36	11	32	6	23	5	23	9	28	6	24	5	25	14	25	8	29	8	29	6	26	7	32	8	28
March	27	59	21	48	22	58	20	52	19	42	18	41	20	48	24	48	23	48	21	46	27	56	19	48	23	49	23	55	22	50
Rainfall.—Amounts in Inches.																														
January	3·66	3·66	2·78	2·78	3·95	3·95	3·08	3·08	3·08	3·08	2·65	2·65	3·11	3·11	1·66	1·66	2·66	2·66	4·17	4·17	2·73	2·73	4·20	4·20	3·08	3·08	4·02	4·02	3·10	3·10
February	1·08	4·74	0·95	3·73	1·19	5·14	0·47	3·55	0·41	3·49	0·31	2·96	0·67	3·78	1·07	2·73	0·43	3·09	0·44	4·61	1·29	4·02	1·52	5·72	0·95	4·03	0·81	4·83	0·81	3·91
March	5·02	9·76	2·68	6·41	2·37	7·51	2·03	5·58	1·93	5·42	1·74	4·70	2·15	5·93	3·99	6·72	3·59	6·68	3·53	8·14	3·69	7·71	3·75	9·47	3·71	7·74	2·49	7·32	2·93	6·84
Accumulated Heat.—Day Degrees above 42° F.																														
January	0	0	0	0	0	0	0	0	0	0	8	8	2	2	0	0	0	0	13	13	0	0	2	2	3	3	53	53	3	3
February	0	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	13	0	0	0	2	0	3	0	53	0	3
March	43	43	45	45	82	82	109	109	104	104	95	103	87	89	58	58	60	60	94	107	93	93	128	130	87	90	104	157	87	90
Accumulated Heat.—Day Degrees below 42° F.																														
January	249	249	308	308	245	245	234	234	257	257	195	195	248	248	232	232	203	203	167	167	192	192	142	142	187	187	64	64	218	218
February	341	590	441	749	352	597	412	646	461	718	390	585	411	659	374	606	366	569	353	520	307	499	233	375	327	514	232	296	369	587
March	147	737	155	904	129	726	149	795	151	869	136	721	144	803	119	725	116	685	111	631	99	598	86	461	106	620	57	353	125	712
Bright Sunshine.—Numbers of Hours.																														
January	26	26	32	32	44	44	36	36	44	44	55	55	42	42	60	60	37	37	69	69	44	44	52	52	52	52	65	65	47	47
February	93	119	77	109	86	130	87	123	84	128	79	134	83	125	63	123	70	107	88	157	88	132	85	137	79	131	105	170	81	128
March	87	206	83	192	101	231	128	251	103	231	143	277	112	237	99	222	69	176	156	313	91	223	123	260	108	239	178	348	110	238
Bright Sunshine.—Percentages of possible Duration.																														
January	12	10	16	18	20	21	17	17	20	23	25	25	20	21	28	28	17	21	30	32	20	20	24	25	24	25	27	27	22	23
February	35	22	30	21	33	23	33	22	31	25	30	25	31	23	25	27	26	26	32	30	34	26	32	26	30	27	39	39	31	25
March	22	26	21	26	25	27	32	27	25	26	36	27	28	27	25	27	17	26	38	33	23	27	30	29	27	28	44	41	28	28

1895.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-94. The whole of the values for 1878-95, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *January* are those for the first four weeks in the year; those for *February* are for the fifth to the eighth weeks; those for *March* are for the ninth to the thirteenth weeks.

The figures given in the columns headed "From Dec. 30/94" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the "Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX I. *New Series.* SECOND QUARTER—APRIL TO JUNE. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE SECOND QUARTER OF THE THIRTY YEARS, 1866 TO 1895.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866-70	—	8·8	—	5·7	—	5·5	—	4·5	—	5·3	—	5·1	—	5·2	—	7·1	—	6·5	—	7·0	—	7·5	—	7·2	—	7·1	—	—	—	6·2
	Means for 5 years, 1871-75	—	8·5	—	6·5	—	5·5	—	5·5	—	6·4	—	6·4	—	6·1	—	7·3	—	7·4	—	7·9	—	7·5	—	6·2	—	7·3	—	—	—	6·7
	Means for 5 years, 1876-80	—	6·3	—	6·9	—	7·1	—	7·2	—	7·7	—	7·1	—	7·2	—	8·5	—	7·8	—	9·0	—	8·3	—	9·8	—	8·7	—	—	—	8·0
	Means for 5 years, 1881-85	51	6·7	44	5·2	43	5·8	39	5·9	41	6·5	38	5·6	41	5·8	47	8·1	42	7·0	44	7·2	52	7·2	46	7·7	46	7·4	45	5·6	44	6·6
	1886	59	6·7	46	6·4	46	6·1	43	5·2	50	9·4	45	6·4	46	6·7	48	8·8	49	9·4	46	7·3	50	7·9	50	8·2	49	8·3	50	6·2	48	7·5
	1887	45	6·2	32	3·7	33	3·0	35	3·6	31	4·0	31	3·8	32	3·6	34	5·8	27	3·8	29	3·5	29	4·5	26	3·3	29	4·2	35	3·8	31	3·9
	1888	56	8·5	44	7·1	43	5·1	43	5·1	41	6·0	42	6·2	43	5·9	49	11·4	43	6·4	46	7·5	50	9·8	49	10·1	47	9·0	50	6·6	45	7·5
	1889	50	4·9	42	5·8	39	5·0	43	7·3	41	8·1	41	5·7	41	6·4	44	7·7	40	6·8	40	5·9	45	7·2	46	7·6	43	7·0	39	5·3	42	6·7
	1890	58	8·5	52	5·6	41	4·7	41	4·5	40	4·7	42	6·3	43	5·2	50	10·1	45	6·0	51	8·1	54	6·3	58	8·5	52	7·8	55	7·7	48	6·5
	Means for 5 years, 1886-90	54	7·0	43	5·7	40	4·8	41	5·1	42	6·4	40	5·7	41	5·5	45	8·8	41	6·5	42	6·5	46	7·1	46	7·5	44	7·3	46	5·9	43	6·4
	1891	45	6·3	36	4·4	35	4·3	41	5·5	43	6·7	38	4·8	39	5·1	36	5·0	39	5·9	42	7·2	46	6·1	45	8·4	42	6·5	41	6·2	41	5·8
	1892	59	9·1	51	6·4	51	7·3	42	6·1	38	5·5	31	3·7	43	5·8	49	10·0	50	8·3	37	4·6	53	9·6	46	8·0	47	8·1	37	4·8	45	7·0
	1893	41	5·2	36	5·1	28	3·2	22	2·3	23	3·1	20	1·7	26	3·1	30	5·4	27	4·2	21	3·0	33	4·9	30	4·8	28	4·5	17	2·1	27	3·8
	1894	47	6·1	49	6·6	54	7·2	48	7·1	45	5·9	44	5·8	48	6·5	53	8·3	55	7·0	51	7·5	56	8·0	53	9·7	54	8·1	53	6·7	51	7·3
	1895	49	8·9	38	4·9	32	4·1	27	2·9	28	4·1	26	2·9	30	3·8	40	4·7	30	4·4	26	4·3	42	4·3	33	4·6	34	4·5	31	3·6	32	4·2
	Means for 5 years, 1891-95	48	7·1	42	5·5	40	5·2	36	4·8	35	5·1	32	3·8	37	4·9	42	6·7	40	6·0	35	5·3	46	6·6	41	7·1	41	6·3	36	4·7	39	5·6
	Means for 30 years, 1866-95	—	7·4	—	5·9	—	5·6	—	5·5	—	6·2	—	5·6	—	5·8	—	7·7	—	6·8	—	7·1	—	7·4	—	7·6	—	7·3	—	—	—	6·6
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	48°5		50°4		49°8		52°7		53°1		53°1		51°8		51°3		51°8		53°9		52°5		53°0		52°5		—		52°2	
	Means for 5 years, 1871-75	48·2		49·8		49·6		51·0		52·0		52·1		50·9		51·1		51·3		53·0		51·6		53·3		52·1		—		51·5	
	Means for 5 years, 1876-80	47·2		48·9		49·4		51·1		51·3		51·9		50·5		50·2		50·5		52·0		50·1		52·0		51·0		—		50·8	
	Means for 5 years, 1881-85	46·8		49·5		50·0		51·8		51·8		52·9		51·2		50·0		50·8		51·6		50·6		51·6		50·9		52·7		51·1	
	1886	45·6		47·8		47·9		50·5		50·5		52·0		49·7		48·1		49·4		51·2		48·9		50·8		49·7		52·1		49·7	
	1887	48·4		50·5		50·3		51·4		52·0		52·4		51·3		51·0		51·2		52·6		52·2		53·3		52·1		53·2		51·7	
	1888	46·5		47·6		48·4		50·5		50·5		51·1		49·6		49·4		49·9		50·8		50·0		51·8		50·4		51·9		50·0	
	1889	49·7		50·9		51·3		53·1		53·4		54·7		52·7		51·9		52·6		53·0		51·7		52·4		52·3		54·0		52·5	
	1890	48·0		49·2		49·8		51·4		51·2		52·6		50·8		50·2		51·0		52·0		50·9		52·1		51·2		52·9		51·0	
	Means for 5 years, 1886-90	47·6		49·2		49·5		51·4		51·5		52·6		50·8		50·1		50·8		51·9		50·7		52·1		51·1		52·8		51·0	
	1891	47·5		48·2		48·8		50·7		50·8		52·3		50·2		50·1		50·5		51·5		50·5		51·7		50·9		53·0		50·6	
	1892	46·8		48·2		49·6		51·6		51·6		52·5		50·7		49·6		50·8		51·8		50·6		52·2		51·0		53·6		50·9	
	1893	51·0		52·0		52·0		54·2		55·3		56·3		54·0		53·6		54·9		56·5		54·8		56·1		55·2		57·6		54·6	
	1894	48·4		48·3		49·3		51·5		51·4		53·2		50·7		50·0		51·2		52·1		50·5		52·2		51·2		53·8		51·0	
	1895	49·2		50·3		50·8		52·3		53·0		53·5		52·0		51·6		52·2		53·2		52·0		53·1		52·4		54·0		52·2	
	Means for 5 years, 1891-95	48·6		49·4		50·1		52·1		52·4		53·6		51·5		51·0		51·9		53·0		51·7		53·1		52·1		54·4		51·8	
	Means for 30 years, 1866-95	47·8		49·5		49·7		51·7		52·0		52·7		51·1		50·6		51·2		52·6		51·2		52·5		51·6		—		51·4	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY YEARS, 1866 TO 1895.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 3·1 in 1870 and 1893	Ins. 4·2 in 1887	Ins. 3·8 in 1893
	Wettest	9·4 in 1879	10·3 in 1872 and 1878 10·2 in 1879 and 1882	9·8 in 1879
Temperature	Coldest	48°4 in 1879	49°1 in 1879 and 1885	48°8 in 1879
	Warmest	54·0 in 1868 and 1893	55·2 in 1893	54·6 in 1893

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE SECOND QUARTER, 1895.

YEAR AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.																Channel Islands.		Means for the British Islands generally.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the &c. Grazing, Districts.							
	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.	For the Month.	From Dec. 30/94.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																																
April	19	78	14	62	10	68	12	64	14	56	12	53	12	60	18	66	12	60	13	59	17	73	15	63	15	64	14	69	14	64		
May	13	91	11	73	10	78	6	70	4	60	4	57	7	67	11	77	7	67	5	64	10	83	9	72	8	72	6	75	8	72		
June	17	108	13	86	12	90	9	79	10	70	10	67	11	78	11	88	11	78	8	72	15	98	9	81	11	83	11	86	11	83		
RAINFALL.—AMOUNTS IN INCHES.																																
April	3·56	13·32	1·44	7·85	1·28	8·79	1·10	6·68	1·98	7·40	1·76	6·46	1·51	7·44	2·43	9·15	2·09	8·77	2·28	10·42	1·85	9·56	1·88	11·35	2·11	9·85	1·83	9·15	1·81	8·65		
May	1·79	15·11	1·01	8·86	0·72	9·51	0·79	7·47	0·59	7·99	0·22	6·68	0·67	8·11	0·88	10·03	0·64	9·41	0·49	10·91	0·87	10·43	0·72	12·07	0·72	10·57	0·26	9·41	0·70	9·35		
June	3·50	18·61	2·46	11·32	2·10	11·61	1·03	8·50	1·53	9·52	0·91	7·59	1·61	9·72	1·39	11·42	1·63	11·04	1·54	12·45	1·56	11·99	2·04	14·08	1·63	12·20	1·47	10·88	1·62	10·97		
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																																
April	106	149	136	181	145	227	178	287	181	285	167	270	161	250	151	209	148	208	161	268	151	244	178	308	158	248	183	340	160	250		
May	207	356	228	409	200	427	268	555	288	573	298	568	256	506	253	462	262	470	284	552	261	505	274	582	267	515	302	642	262	572		
June	385	741	447	856	483	910	518	1073	554	1127	574	1142	515	1021	488	950	522	992	560	1112	504	1010	542	1124	523	1038	584	1226	519	1031		
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																																
April	68	805	68	972	55	781	53	848	56	925	30	751	52	855	48	773	41	725	22	653	35	634	14	475	32	652	7	360	42	754		
May	5	810	15	987	2	783	6	854	9	934	4	755	7	862	5	778	0	725	1	654	8	642	4	479	4	656	0	360	6	760		
June	1	811	1	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	642	0	479	0	656	0	360	0	760		
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																																
April	95	301	126	318	140	371	134	385	130	361	127	404	131	368	121	343	124	300	146	457	116	339	120	380	125	364	164	512	128	366		
May	147	448	173	491	169	540	206	591	203	564	214	618	193	561	179	522	177	477	241	698	187	526	191	571	195	559	244	756	194	560		
June	229	677	277	768	239	779	283	874	279	843	297	915	275	836	278	800	262	739	341	1039	284	810	286	857	290	849	340	1096	283	843		
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																																
April	24	27	32	29	37	29	36	31	35	27	33	29	35	29	32	27	33	27	39	35	30	27	31	29	33	29	44	42	34	29		
May	33	28	40	34	39	32	48	35	47	33	51	33	45	33	41	30	41	32	57	39	43	30	44	33	45	33	59	46	45	33		
June	38	31	46	36	41	33	50	38	49	36	52	37	48	36	47	34	45	35	60	44	49	35	50	36	50	37	61	48	49	37		

1895.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-94. The whole of the values for 1878-95, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *April* are those for the fourteenth to the seventeenth weeks in the year; those for *May* are for the eighteenth to the twenty-first weeks; those for *June* are for the twenty-second to the twenty-sixth weeks of the year.

The figures given in the columns headed "From Dec. 30/94" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the "Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX I. *New Series.* THIRD QUARTER—JULY TO SEPTEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE THIRTY YEARS, 1866 TO 1895.

	YEARS.	0. Scotland, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866–70	—	10·6	—	8·8	—	6·3	—	6·1	—	7·4	—	7·3	—	7·2	—	10·9	—	9·9	—	10·1	—	9·8	—	8·6	—	9·8	—	—	—	8·6
	Means for 5 years, 1871–75	—	13·1	—	10·7	—	8·4	—	7·5	—	9·1	—	8·0	—	8·7	—	13·2	—	12·9	—	14·1	—	12·2	—	10·8	—	12·6	—	—	—	10·7
	Means for 5 years, 1876–80	—	9·0	—	8·9	—	9·2	—	9·0	—	10·1	—	8·7	—	9·2	—	11·7	—	12·3	—	11·6	—	11·1	—	10·7	—	11·5	—	—	—	10·4
	Means for 5 years, 1881–85	56	7·8	51	7·9	46	7·3	45	7·4	45	7·5	44	6·6	46	7·3	53	11·8	49	9·8	52	10·0	60	10·3	53	10·2	53	10·4	54	7·6	50	8·9
	1886	59	8·7	43	5·0	41	6·8	38	6·5	39	6·4	35	5·8	39	6·1	48	11·4	42	10·3	40	9·3	54	9·3	53	10·9	47	10·2	48	7·2	43	8·2
	1887	63	10·3	53	7·6	44	6·1	42	5·4	35	5·2	35	5·8	42	6·0	49	10·8	43	7·1	37	7·3	55	10·5	46	7·9	46	8·7	40	6·2	44	7·4
	1888	55	9·3	52	7·1	49	9·2	54	8·4	48	7·9	46	7·9	50	8·1	53	9·7	50	9·6	53	9·8	54	9·5	44	8·4	51	9·4	51	7·8	51	8·9
	1889	58	11·0	51	8·8	48	7·7	48	9·1	44	7·8	41	6·6	46	8·0	51	10·8	48	10·2	50	9·1	60	11·9	50	9·8	52	10·4	47	6·0	49	9·2
	1890	65	12·1	54	8·4	48	8·3	44	7·2	47	6·6	44	8·6	47	7·8	44	12·0	53	9·2	52	9·8	65	10·2	55	8·4	55	9·9	44	8·1	52	8·9
	Means for 5 years, 1886–90	60	10·3	51	7·4	46	7·6	45	7·3	43	6·8	40	6·9	45	7·2	51	11·1	47	9·5	46	9·3	58	10·4	50	9·5	50	9·4	46	7·2	48	8·6
	1891	71	15·9	59	11·7	51	8·8	51	8·5	52	7·9	52	9·0	53	9·2	62	14·9	55	13·8	56	12·9	66	11·3	56	11·0	59	12·8	51	9·7	56	11·0
	1892	66	15·0	51	8·3	44	6·6	40	8·2	46	7·5	44	8·4	45	7·8	53	15·5	53	12·1	51	10·0	62	12·0	53	13·2	54	12·5	43	7·2	50	10·2
	1893	70	15·7	55	8·1	49	6·8	45	5·9	43	6·0	43	7·0	47	6·8	53	11·3	54	10·4	47	9·9	60	11·2	52	8·7	53	10·3	51	9·8	50	8·6
	1894	53	10·5	48	8·9	49	6·2	54	7·6	44	6·8	51	9·2	49	7·7	40	7·3	44	8·0	52	10·7	54	6·8	45	8·8	47	8·3	54	11·9	48	8·0
	1895	63	14·0	51	9·6	44	7·9	34	8·3	40	6·6	37	6·8	41	7·8	54	12·7	46	9·3	40	8·3	57	10·9	49	10·1	49	10·3	39	5·7	45	9·1
	Means for 5 years, 1891–95	65	14·2	53	9·3	47	7·3	45	7·7	45	7·0	45	8·1	47	7·9	52	12·3	50	10·7	49	10·4	60	10·4	51	10·4	52	10·8	48	8·9	50	9·4
	Means for 30 years, 1866–95	—	10·8	—	8·8	—	7·7	—	7·5	—	8·0	—	7·6	—	7·9	—	11·8	—	10·8	—	10·9	—	10·7	—	10·0	—	10·8	—	—	—	9·4
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866–70	54°·4		57°·1		57°·0		59°·7		59°·7		60°·1		58°·7		57°·9		59°·0		61°·0		58°·5		59°·5		59°·2		—		59°·0	
	Means for 5 years, 1871–75	54·5		56·7		57·5		59·7		59·6		60·0		58·7		57·7		58·5		60·4		57·2		58·8		58·5		—		58·6	
	Means for 5 years, 1876–80	54·1		56·4		57·6		59·6		59·3		60·3		58·6		57·2		58·1		59·9		56·8		59·0		58·2		—		58·4	
	Means for 5 years, 1881–85	53·1		56·3		57·3		59·0		58·2		59·9		58·1		55·9		57·2		58·1		56·2		57·2		56·9		59·8		57·6	
	1886	52·4		56·1		58·1		60·2		59·7		61·3		59·1		55·8		57·7		59·4		56·5		58·2		57·5		61·0		58·3	
	1887	52·9		55·8		57·1		59·1		58·2		59·7		58·0		55·6		57·5		58·7		56·5		58·4		57·3		61·2		57·7	
	1888	51·7		53·2		54·4		57·1		55·8		58·0		55·7		54·2		55·4		56·7		55·0		56·2		55·5		58·9		55·6	
	1889	53·2		54·7		56·4		58·1		57·5		59·4		57·2		55·5		56·9		58·0		56·1		57·5		56·8		60·3		57·0	
	1890	53·8		55·7		57·7		58·8		58·1		59·8		58·0		56·1		57·5		58·1		56·5		57·6		57·2		59·2		57·6	
	Means for 5 years, 1886–90	52·8		55·1		56·7		58·7		57·9		59·6		57·6		55·4		57·0		58·2		56·1		57·6		56·9		60·1		57·3	
	1891	54·0		55·7		57·0		58·4		57·5		59·2		57·6		56·1		57·4		57·4		56·6		57·3		57·0		59·8		57·3	
	1892	52·1		53·5		55·4		57·6		56·5		59·2		56·4		54·4		56·2		57·6		55·1		57·0		56·1		60·6		56·3	
	1893	55·0		56·3		58·4		60·5		60·2		61·7		59·4		57·3		59·9		60·4		58·1		59·5		59·0		62·7		59·2	
	1894	54·5		55·1		56·5		58·0		57·2		59·3		57·2		55·5		57·2		57·6		55·9		56·7		56·6		60·1		56·9	
	1895	55·4		56·9		59·4		60·8		60·0		61·7		59·8		57·2		59·3		59·8		57·5		58·3		58·4		62·4		59·1	
	Means for 5 years, 1891–95	54·2		55·5		57·3		59·1		58·3		60·2		58·1		56·1		58·0		58·6		56·6		57·8		57·4		61·1		57·8	
	Means for 30 years, 1866–95	53·8		56·2		57·3		59·3		58·8		60·0		58·3		56·7		58·0		59·4		56·9		58·3		57·9		—		58·1	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY YEARS, 1866 TO 1895.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 4·9 in 1870	Ins. 6·4 in 1870	Ins. 5·7 in 1870
	Wettest	10·6 in 1879	14·2 in 1872	12·4 in 1879
Temperature	Coldest	55°·7 in 1888	55°·5 in 1888	55°·6 in 1888
	Warmest	60°·9 in 1868	60°·8 in 1868	60°·9 in 1868

A 88985. 325.—10/95. Wt. 303. E. & S.

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE THIRD QUARTER, 1895.

YEAR AND MONTHS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.						
	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
July - -	19	127	17	103	18	108	14	93	15	85	14	81	16	94	19	108	16	94	16	88	21	119	18	99	18	101	14	100	17	100
August -	19	146	18	121	14	122	14	107	15	100	15	96	15	109	19	127	16	110	14	102	21	140	19	118	18	119	18	118	17	117
September -	25	171	16	137	12	134	6	113	10	110	8	104	10	119	16	143	14	124	10	112	15	155	12	130	13	132	7	125	12	129
RAINFALL.—AMOUNTS IN INCHES.																														
July - -	3·95	22·56	3·93	15·25	4·50	16·11	3·45	11·95	3·38	12·90	3·27	10·86	3·71	13·43	4·45	15·87	4·33	15·37	3·81	16·26	4·45	16·44	4·73	18·81	4·35	16·55	2·62	13·50	4·03	15·00
August -	3·02	25·58	3·26	18·51	2·05	18·16	4·07	16·02	2·10	15·00	2·55	13·41	2·81	16·24	4·41	20·28	2·29	17·66	2·99	19·25	3·99	20·43	3·65	22·46	3·47	20·02	2·43	15·93	3·14	18·14
September -	6·99	32·57	2·36	20·87	1·37	19·53	0·82	16·84	1·12	16·12	1·01	14·42	1·34	17·58	3·83	24·11	2·72	20·38	1·53	20·78	2·50	22·93	1·75	24·21	2·47	22·49	0·67	16·60	1·91	20·05
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																														
July - -	334	1075	381	1237	460	1370	522	1595	493	1620	533	1675	478	1499	395	1345	454	1446	477	1589	401	1410	437	1561	433	1471	536	1762	456	1487
August -	403	1478	430	1667	491	1861	516	2111	487	2107	533	2208	491	1990	432	1777	477	1923	471	2060	425	1835	444	2005	450	1921	545	2307	471	1958
September -	449	1927	506	2173	585	2446	622	2733	610	2717	686	2894	602	2592	523	2300	609	2532	635	2695	548	2383	566	2571	576	2497	748	3055	589	2547
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																														
July - -	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
August -	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
September -	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
July - -	71	748	129	897	151	930	183	1057	165	1008	189	1104	163	999	140	940	147	886	185	1224	90	900	115	972	135	984	212	1308	149	992
August -	84	832	102	999	120	1050	176	1233	151	1159	182	1286	146	1145	113	1053	133	1019	154	1378	79	979	91	1063	114	1098	195	1503	130	1122
September -	93	925	172	1171	216	1266	273	1506	238	1397	281	1567	236	1381	170	1223	180	1199	236	1614	143	1122	182	1245	182	1280	285	1788	209	1331
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
July - -	15	30	27	37	33	35	41	40	37	37	42	40	36	38	31	35	32	37	41	45	19	34	25	36	30	37	49	50	33	38
August -	20	30	24	35	29	33	43	39	37	36	45	39	36	36	28	33	32	36	38	43	19	32	22	34	28	36	49	49	32	36
September -	20	29	38	35	48	34	61	41	54	38	63	42	53	38	38	33	41	36	53	44	32	31	41	34	41	36	64	51	47	37

1895.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-94. The whole of the values for 1878-95, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *July* are those for the twenty-seventh to the thirtieth weeks in the year; those for *August* are for the thirty-first to the thirty-fourth weeks; those for *September* are for the thirty-fifth to the thirty-ninth weeks.

The figures given in the columns headed "From Dec. 30/94" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the "Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX I.] *New Series.* FOURTH QUARTER—OCTOBER TO DECEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE THIRTY YEARS, 1866 TO 1895.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches
RAINFALL (in Inches).	Means for 5 years, 1866–70	—	18·4	—	8·8	—	7·7	—	7·4	—	7·6	—	8·3	—	8·0	—	12·9	—	14·7	—	14·6	—	12·6	—	10·5	—	13·1	—	—	—	10·6
	Means for 5 years, 1871–75	—	17·2	—	10·4	—	7·7	—	7·2	—	7·9	—	9·9	—	8·6	—	13·1	—	13·3	—	16·3	—	11·1	—	12·1	—	13·2	—	—	—	10·9
	Means for 5 years, 1876–80	—	13·8	—	9·1	—	8·1	—	7·2	—	8·1	—	9·5	—	8·4	—	12·8	—	12·0	—	14·1	—	11·0	—	11·3	—	12·2	—	—	—	10·3
	Means for 5 years, 1881–85	68	12·7	54	7·2	55	7·3	59	8·8	55	8·6	52	8·9	55	8·2	58	15·8	56	11·0	62	13·7	64	11·8	61	11·8	60	12·8	67	12·4	58	10·5
	1886	75	14·3	60	7·8	56	10·0	58	9·5	64	10·9	67	14·4	61	10·5	65	16·8	69	14·3	75	19·1	71	15·5	69	16·0	70	16·3	85	16·3	66	13·4
	1887	73	13·0	55	7·8	59	7·7	56	6·3	47	5·9	50	7·8	53	7·1	51	12·4	55	8·1	55	12·0	57	10·0	47	9·7	53	10·4	64	11·9	53	8·8
	1888	69	15·9	57	9·3	46	5·7	42	5·6	43	8·4	50	8·6	48	7·5	57	16·8	56	10·1	61	14·0	60	10·4	63	13·8	61	13·0	66	10·2	55	10·3
	1889	65	12·3	52	6·6	49	6·6	51	6·0	47	5·3	46	8·2	49	6·5	58	13·3	58	9·4	59	11·8	61	10·8	59	11·6	58	11·4	66	12·2	54	9·0
	1890	74	19·3	62	10·8	56	6·7	46	5·4	49	5·6	48	4·9	52	6·7	60	17·1	56	11·4	62	11·3	65	13·6	58	11·8	60	13·0	63	8·9	56	9·9
	Means for 5 years, 1886–90	71	15·0	57	8·5	53	7·3	51	6·6	50	7·2	52	8·8	53	7·7	58	15·3	59	10·7	62	13·6	64	12·1	59	12·6	60	12·9	69	11·9	57	10·3
	1891	61	15·9	51	9·7	52	7·8	62	9·0	60	11·4	62	13·6	57	10·3	60	20·8	58	14·2	64	18·2	64	12·4	61	16·5	61	16·4	66	14·6	59	13·4
	1892	65	14·5	53	8·0	55	7·3	49	8·9	48	6·1	47	8·6	50	7·8	57	13·0	56	10·5	57	10·1	68	10·5	59	11·3	59	11·1	63	10·3	55	9·5
	1893	76	24·2	57	8·2	52	5·9	55	7·7	50	6·7	51	8·9	53	7·5	65	16·4	61	10·4	56	12·1	65	10·1	57	10·4	61	11·9	61	9·2	57	9·7
	1894	66	15·8	48	7·4	54	7·0	56	7·7	53	8·9	52	10·8	53	8·4	62	15·3	58	11·4	55	16·2	60	10·9	53	14·1	58	13·6	58	12·3	56	11·0
	1895	66	16·6	58	10·6	55	8·2	52	7·4	53	8·6	56	10·5	55	9·1	53	14·2	59	11·9	65	16·6	63	12·7	62	13·8	60	13·8	74	15·3	58	11·5
	Means for 5 years, 1891–95	67	17·4	53	8·8	54	7·2	55	8·1	53	8·3	54	10·5	54	8·6	59	15·9	58	11·7	59	14·6	64	11·3	58	13·2	60	13·3	64	12·3	57	11·0
	Means for 30 years, 1866–95	—	15·7	—	8·8	—	7·6	—	7·6	—	8·0	—	9·3	—	8·3	—	14·3	—	12·2	—	14·5	—	11·6	—	11·9	—	12·9	—	—	—	10·6
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866–70	42°·1		42°·1		42°·5		43°·6		43°·4		44°·2		43°·2		43°·2		43°·8		47°·0		44°·0		45°·2		44°·6		—		43°·9	
	Means for 5 years, 1871–75	42·4		41·8		42·7		42·9		42·8		43·6		42·8		42·7		43·6		46·3		43·3		45·4		44·3		—		43·6	
	Means for 5 years, 1876–80	41·7		41·6		42·3		42·9		42·4		44·2		42·7		42·9		43·7		47·1		43·6		45·6		44·6		—		43·7	
	Means for 5 years, 1881–85	42·6		42·0		43·4		43·4		43·0		45·1		43·4		43·5		44·1		46·5		43·9		45·6		44·7		49·1		44·1	
	1886	42·6		42·5		43·6		43·9		43·5		45·6		43·8		44·4		44·7		46·3		44·2		45·8		45·1		49·8		44·5	
	1887	39·2		39·4		40·3		40·2		39·9		41·7		40·3		40·7		41·3		42·7		41·8		42·8		41·9		46·5		41·1	
	1888	43·2		43·4		44·1		43·9		43·8		46·1		44·3		45·1		45·3		47·1		45·5		47·0		46·0		50·6		45·2	
	1889	43·1		42·2		43·1		43·0		42·7		44·9		43·2		44·4		44·1		45·8		45·0		46·2		45·1		49·1		44·2	
	1890	42·3		41·5		43·1		40·5		40·4		42·2		41·3		43·3		42·6		44·0		44·3		45·6		44·0		47·5		42·7	
	Means for 5 years, 1886–90	42·1		41·8		42·6		42·3		42·1		44·1		42·6		43·6		43·6		45·2		44·2		45·5		44·4		48·7		43·5	
	1891	42·0		40·8		42·3		43·6		42·5		45·6		43·0		43·4		43·7		45·9		43·3		44·8		44·2		49·4		43·6	
	1892	40·2		39·1		40·9		41·5		40·5		43·5		41·1		41·5		42·1		44·5		42·9		44·6		43·1		48·2		42·1	
	1893	41·9		42·0		44·0		43·9		43·4		45·3		43·7		44·1		45·3		46·0		44·0		45·5		45·0		49·4		44·4	
	1894	44·0		42·7		44·7		45·5		45·2		47·4		45·1		45·6		46·7		48·0		45·6		47·3		46·6		51·2		45·9	
	1895	41·2		40·5		43·0		43·8		42·9		46·0		43·2		43·0		44·2		46·6		43·0		45·3		44·4		51·0		43·8	
	Means for 5 years, 1891–95	41·9		41·0		43·0		43·7		42·9		45·6		43·2		43·5		44·4		46·2		43·8		45·5		44·7		49·8		44·0	
	Means for 30 years, 1866–95	42·1		41·7		42·8		43·1		42·8		44·5		43·0		43·2		43·9		46·4		43·8		45·5		44·6		—		43·8	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY YEARS, 1866 TO 1895.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 3·4 in 1879	Ins. 5·0 in 1879	Ins. 4·2 in 1879
	Wettest	13·1 in 1872	18·6 in 1872	15·9 in 1872
Temperature	Coldest	40°·3 in 1887	41°·9 in 1887	41°·1 in 1887
	Warmest	45·6 in 1866	47·0 in 1866	46·3 in 1866

A 90252. 325.—1/96. Wt. 303. E. & S.

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FOURTH QUARTER, 1895.

YEAR AND MONTHS.	0. Scotland, N.		Principal Wheat-producing Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		Principal Grazing, &c. Districts. 6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.	For the Month.	From Dec.30/94.
Rainfall.—Numbers of Days with Rain.																														
October -	21	192	18	155	17	151	16	129	14	124	13	117	16	135	16	159	19	143	15	127	17	172	14	144	16	148	18	143	16	145
November -	21	213	19	174	19	170	18	147	19	143	22	139	19	154	18	177	19	162	24	151	20	192	21	165	20	168	16	169	20	165
December -	24	237	21	195	19	189	18	165	20	163	21	160	20	174	19	196	21	183	26	177	26	218	27	192	24	192	30	199	22	187
Rainfall.—Amounts in Inches.																														
October -	5·16	37·73	3·94	24·81	4·02	23·55	2·64	19·48	2·52	18·64	2·93	17·35	3·21	20·79	4·22	28·33	4·27	24·65	4·85	25·63	4·17	27·10	3·05	27·26	4·11	26·60	4·78	21·38	3·66	23·71
November -	5·65	43·38	3·33	28·14	2·20	25·75	2·78	22·26	3·26	21·90	4·52	21·87	3·22	24·01	5·38	33·71	4·22	28·87	5·92	31·55	4·45	31·55	4·66	31·92	4·93	31·53	5·52	26·90	4·08	27·79
December -	5·74	49·12	3·32	31·46	1·95	27·70	2·00	24·26	2·79	24·69	3·03	24·90	2·62	26·63	4·57	38·28	3·38	32·25	5·84	37·39	4·11	35·66	6·09	38·01	4·80	36·33	4·97	31·87	3·71	31·50
Accumulated Heat.—Day Degrees above 42° F.																														
October -	126	2053	126	2299	166	2619	210	2943	191	2908	251	3145	180	2782	160	2462	200	2732	246	2941	163	2546	210	2782	196	2693	357	3414	193	2740
November -	74	2127	46	2345	106	2725	137	3080	124	3032	181	3326	119	2901	93	2555	115	2847	174	3115	98	2644	129	2911	122	2815	270	3684	121	2861
December -	15	2142	12	2357	31	2756	53	3133	49	3081	74	3400	44	2945	50	2605	54	2901	99	3214	32	2676	103	3019	69	2884	202	3886	57	2918
Accumulated Heat.—Day Degrees below 42° F.																														
October -	47	858	48	1036	30	813	27	881	41	975	25	780	34	896	40	818	27	752	25	679	28	663	31	510	30	685	0	360	32	792
November -	78	936	107	1143	56	869	54	935	60	1035	35	815	62	958	53	871	31	783	30	709	51	714	38	548	41	726	4	364	52	844
December -	148	1084	193	1336	135	1004	151	1086	169	1204	106	921	151	1109	116	987	123	906	64	773	139	853	71	619	103	829	2	366	127	971
Bright Sunshine.—Numbers of Hours.																														
October -	94	1019	102	1273	110	1376	96	1602	86	1483	104	1671	100	1481	98	1321	87	1286	109	1721	110	1232	120	1365	105	1385	127	1915	103	1434
November -	41	1060	60	1333	59	1435	66	1668	58	1541	66	1737	62	1543	59	1380	38	1324	67	1788	78	1310	83	1448	65	1450	83	1998	64	1498
December -	23	1083	22	1355	26	1461	41	1709	34	1575	39	1776	32	1575	30	1410	19	1343	37	1825	45	1355	60	1508	38	1488	36	2034	35	1533
Bright Sunshine.—Percentages of possible Duration.																														
October -	32	29	35	36	37	35	32	43	29	39	34	42	33	39	34	34	29	37	36	44	37	32	40	35	35	36	42	52	34	38
November -	17	29	25	36	24	35	27	41	23	38	26	41	25	38	25	33	16	36	26	43	32	32	33	35	26	36	32	51	26	37
December -	10	28	9	35	10	34	16	40	12	36	14	40	12	37	12	33	7	35	13	42	17	32	22	35	14	35	13	49	13	36

1895.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-94. The whole of the values for 1878-95, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *October* are those for the fortieth to the forty-third weeks in the year; those for *November* are for the forty-fourth to the forty-seventh weeks; those for *December* are for the forty-eighth to the fifty-second weeks.

The figures given in the columns headed "From Dec. 30/94" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the "Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

SUMMARY OF THE WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX I.] *New Series.* VALUES FOR THE WHOLE YEAR. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE WHOLE YEAR DURING THE THIRTY YEARS, 1866 TO 1895.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in inches).	Means for 5 years, 1866–70	—	50·4	—	32·9	—	25·0	—	23·8	—	27·3	—	29·2	—	27·6	43·5	—	42·9	—	45·4	—	41·7	—	37·4	—	42·2	—	—	—	34·9
	Means for 5 years, 1871–75	—	47·8	—	35·4	—	26·5	—	24·6	—	30·1	—	31·4	—	29·6	—	44·7	—	44·0	—	52·0	—	40·3	—	39·6	—	44·1	—	—	—	36·9
	Means for 5 years, 1876–80	—	38·6	—	32·0	—	29·8	—	29·0	—	32·2	—	32·5	—	31·1	—	44·2	—	41·4	—	44·6	—	39·6	—	41·9	—	42·3	—	—	—	36·7
	Means for 5 years, 1881–85	241	37·1	198	26·4	188	25·5	187	27·2	186	29·0	177	27·4	187	27·1	216	48·1	198	36·6	211	40·7	236	38·6	217	41·7	216	41·1	222	33·8	202	34·1
	1886	263	39·1	204	24·9	199	29·2	193	26·2	202	33·1	195	32·9	199	29·3	218	48·1	214	43·0	218	46·5	234	42·8	227	46·3	222	45·3	251	38·6	211	37·3
	1887	241	41·6	183	24·4	174	20·6	166	19·1	148	19·2	150	21·5	164	21·0	181	38·7	163	24·9	159	28·3	188	32·3	159	28·5	170	30·5	181	26·2	167	25·8
	1888	242	43·9	208	30·4	187	25·6	188	24·2	175	26·8	184	28·5	188	27·1	200	46·5	200	31·1	208	38·4	217	36·9	197	39·9	205	38·6	228	31·9	199	32·9
	1889	245	42·0	197	26·0	182	24·1	189	26·3	175	26·8	175	25·6	185	25·8	211	42·4	197	32·4	197	35·9	232	38·5	210	37·6	209	37·4	210	30·2	200	31·6
	1890	264	55·1	222	32·9	193	25·0	184	22·7	182	22·0	180	25·4	192	25·6	224	52·8	210	35·0	218	38·1	246	38·8	229	41·4	225	41·2	216	33·1	209	33·4
	Means for 5 years, 1886–90	251	44·3	203	27·7	187	24·9	184	23·7	176	25·6	177	26·8	185	25·7	207	45·7	197	33·3	200	37·4	223	37·9	204	38·7	206	38·6	217	32·0	196	32·2
	1891	242	52·8	184	30·9	181	24·6	197	26·8	192	30·1	190	33·2	188	29·1	205	49·9	186	38·3	200	45·1	225	35·3	204	41·5	203	42·0	201	36·7	197	35·6
	1892	253	49·8	201	28·2	197	25·6	180	27·2	176	23·1	160	24·4	183	25·7	206	46·5	205	37·2	192	31·1	232	38·0	203	40·1	208	38·6	195	29·2	196	32·2
	1893	252	57·9	199	27·3	173	20·4	171	21·1	164	20·8	162	23·5	174	22·6	205	43·1	191	31·4	173	33·7	217	34·0	189	32·6	195	35·0	185	28·4	185	28·8
	1894	234	53·5	201	33·9	208	25·8	205	26·6	196	27·4	196	32·1	201	29·2	219	49·5	213	36·3	214	44·9	234	38·0	212	43·5	218	42·4	221	38·6	210	35·8
	1895	237	49·3	195	31·5	189	27·7	165	24·2	163	24·7	160	24·9	174	26·6	196	38·3	183	32·3	177	37·3	218	35·6	192	38·0	193	36·3	199	31·9	184	31·5
	Means for 5 years, 1891–95	244	52·7	196	30·4	190	24·8	184	25·2	178	25·2	174	27·6	184	26·6	206	45·5	196	35·1	191	38·4	225	36·2	200	39·1	204	38·9	200	33·0	194	32·8
	Means for 30 years, 1866–95	—	45·1	—	30·8	—	26·1	—	25·6	—	28·2	—	29·2	—	28·0	—	45·3	—	38·9	—	43·1	—	39·1	—	39·7	—	41·2	—	—	—	34·6
MEAN TEMPERATURE (in Degrees Fahrenheit).		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees		Degrees	
	Means for 5 years, 1866–70	45·9		47·2		47·1		49·0		49·1		49·5		48·4		48·1		48·8		51·3		48·9		50·0		49·4		—		48·9	
	Means for 5 years, 1871–75	46·3		47·1		47·4		48·4		48·8		49·3		48·2		48·1		48·6		50·9		48·4		50·3		49·3		—		48·8	
	Means for 5 years, 1876–80	45·4		46·3		47·1		48·3		48·2		49·3		47·8		47·6		48·1		50·6		47·9		50·1		48·9		—		48·4	
	Means for 5 years, 1881–85	45·3		46·6		47·5		48·5		48·2		49·8		48·1		47·4		48·2		49·7		48·0		49·4		48·5		51·6		48·3	
	1886	44·3		45·6		46·4		47·5		47·4		49·0		47·2		46·3		47·1		48·8		47·0		48·7		47·6		51·2		47·4	
	1887	45·0		46·2		46·6		47·1		47·0		48·1		47·0		46·8		47·3		48·6		48·0		49·2		48·0		50·9		47·5	
	1888	44·4		45·1		46·1		47·0		46·7		48·2		46·6		46·7		47·1		48·3		47·5		48·9		47·7		50·8		47·2	
	1889	46·1		46·6		47·4		47·9		48·0		49·5		47·9		48·0		48·3		49·4		48·5		49·8		48·8		51·9		48·4	
	1890	46·0		46·6		47·6		47·7		47·5		49·1		47·7		47·7		48·1		49·2		48·4		49·7		48·6		51·3		48·2	
	Means for 5 years, 1886–90	45·2		46·1		46·8		47·4		47·3		48·8		47·3		47·1		47·6		48·9		47·9		49·3		48·2		51·2		47·8	
	1891	45·5		45·7		46·5		47·5		47·2		48·9		47·2		47·3		47·8		48·8		47·8		49·0		48·1		51·3		47·7	
	1892	43·9		44·2		45·7		46·8		46·3		48·4		46·3		45·9		46·8		48·4		47·0		48·5		47·3		51·4		46·8	
	1893	46·7		47·3		48·7		49·6		49·8		51·2		49·3		48·9		50·3		51·4		49·8		51·2		50·3		53·9		49·8	
	1894	46·5		46·2		47·6		48·8		48·6		50·4		48·3		48·0		49·3		50·1		48·5		50·0		49·2		52·7		48·8	
	1895	45·0		45·1		47·0		47·8		47·4		49·1		47·3		46·7		47·7		49·0		47·3		48·8		47·9		51·8		47·6	
	Means for 5 years, 1891–95	45·5		45·7		47·1		48·1		47·9		49·6		47·7		47·4		48·4		49·5		48·1		49·5		48·6		52·2		48·2	
	Means for 30 years, 1866–95	45·6		46·5		47·2		48·3		48·3		49·4		47·9		47·6		48·3		50·1		48·2		49·8		48·8		—		48·4	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST YEARS FOR THE THIRTY YEARS, 1866 TO 1895.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 21·0 in 1887	Ins. 30·5 in 1887	Ins. 25·8 in 1887
	Wettest	40·2 in 1872	58·6 in 1872	49·1 in 1872
Temperature	Coldest	°45·5 in 1879	°46·9 in 1879	°46·2 in 1879
	Warmest	50·1 in 1868	50·7 in 1868	50·4 in 1868

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NOTES.

1.—Rainfall.

The mean values for the Rainfall in the districts given as Table I. in the various Quarterly Summaries were obtained as follows. Those for the years 1866 to 1877 were derived from observations made at the following stations:—

Districts.		Stations.
0. SCOTLAND, N.		Loch Broom. Helmsdale. Sandwick Manse.
1. SCOTLAND, E.		Inverness. Aberdeen. Ballater. Logierait. Stirling. Hawick.
2. ENGLAND, N.E.		N. Shields. York. Grimsby. Boston.
3. ENGLAND, E.	1866 to 1875.	Fakenham. Beccles. Witham. Bury St. Edmunds.
	1876 &1877.	Yarmouth. Cambridge. Bury St. Edmunds.
4. MIDLAND COUNTIES		Leicester Derby. Tenbury. Shiffnal. Cirencester. Banbury. Hitchin.
5. ENGLAND, S.		Bridport. Selborne. Maidstone. London (Camden Town).
6. SCOTLAND, W.		Dumfries. Ayr. Castle Toward.
7. ENGLAND, N.W., and N. WALES		Llandudno. Manchester. Skipton.
8. ENGLAND, S.W., and S. WALES		Barnstaple. Bodmin. Haverfordwest. Rhayader.
9. IRELAND, N.		Galway. Bunninadden, Co. Sligo. (Doo Castle.) Waringstown. Strabane.
10. IRELAND, S.		Cork. Waterford. Killaloe. Portarlington. Monkstown, Co. Dublin.

(The values were obtained mainly from Symons' Monthly Meteorological Magazine, supplemented by some of the values contained in the Reports of the Rainfall Committee of the British Association, 1868–1876.)

2.—Temperature.

The Temperature values for the years 1866 to 1877 have been obtained from the following stations:—

Districts.		Stations.
0. SCOTLAND, N.		Sandwick Manse. Stornoway. Dunrobin.
1. SCOTLAND, E.		Culloden. Aberdeen. Perth. Leith.
2. ENGLAND, N.E.		Bywell. N. Shields. Hull.
3. ENGLAND, E.		Royston. Holkham. Norwich. Wisbeach. Somerleyton.
4. MIDLAND COUNTIES		Derby. Nottingham. Cardington. Oxford.
5. ENGLAND, S.		Marlborough. Greenwich. Streatley. London (Camden Town). Weybridge. Strathfield Turgiss. Osborne. Bournemouth. Worthing.
6. SCOTLAND, W.		Greenock. Cockermouth. Silloth. Carlisle.
7. ENGLAND, N.W., and N. WALES		Stonyhurst. Bradford. Leeds. Eccles. Liverpool. Llandudno.
8. ENGLAND, S.W., and S. WALES		Gloucester. Taunton. Barnstaple. Truro. Helston.
9. IRELAND, N.	1866 to 1873.	Belfast. Milltown (Banbridge). Armagh.† Athlone.*
	1874 to 1877.	Moville. Milltown. Armagh. Donaghadee.
10. IRELAND, S.	1866 to 1873.	Dublin.* Curragh Camp. Buttevant.* Cork. Valencia.†
	1874 to 1877.	Kingstown. Parsonstown. Cork. Roche's Point. Valencia.

(The values were obtained mainly from the returns published quarterly by the Registrar General, by the Scottish Meteorological Society (in their Quarterly Journal), and the reports of the Army Medical Department, besides the records of the two Irish observatories, Valencia and Armagh. The returns for Cork were furnished by R. Caulfield, Esq., LL.D.)

For the years 1878 to 1895 the means are obtained from the observations published in the Weekly Weather Report.

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* Did not commence till January 1867.

† Did not commence till January 1869.

By Order,

ROBERT H. SCOTT, Secretary.

WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX II.]
Third Series.

[*Price* 1*s.*

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, DURING THE YEAR 1895.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.															
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.
	Numbers of Days with Rain.																													
1895.																														
Dec. 30/94–Jan. 5/95	6	6	4	4	5	5	6	6	3	3	4	4	4	4	4	4	4	4	5	5	6	6	5	5	5	5	6	6	4	4
Jan. 6–12	3	9	2	6	5	10	4	10	3	6	3	7	4	8	3	7	3	7	3	8	4	10	4	9	3	8	5	11	4	8
13–19	6	15	6	12	6	16	5	15	6	12	6	13	6	14	6	13	7	14	7	15	5	15	6	15	6	14	7	18	6	14
20–26	6	21	5	17	6	22	6	21	5	17	5	18	5	19	5	18	6	20	6	21	6	21	6	21	6	20	7	25	6	20
Jan. 27–Feb. 2	4	25	5	22	7	29	5	26	4	21	4	22	5	24	2	20	3	23	4	25	3	24	3	24	3	23	5	30	4	24
Feb. 3–9	3	28	3	25	4	33	2	28	1	22	1	23	2	26	2	22	1	24	0	25	3	27	2	26	2	25	1	31	2	26
10–16	1	29	1	26	1	34	1	29	0	22	0	23	1	27	0	22	0	24	0	25	0	27	2	28	0	25	1	32	1	27
17–23	3	32	1	27	2	36	3	32	1	23	0	23	1	28	2	24	1	25	0	25	2	29	1	29	1	26	0	32	1	28
Feb. 24–Mar. 2	6	38	4	31	4	40	4	36	3	26	3	26	4	32	4	28	3	28	4	29	5	34	3	32	4	30	4	36	4	32
Mar. 3–9	4	42	4	35	5	45	5	41	4	30	5	31	5	37	4	32	5	33	5	34	6	40	5	37	5	35	6	42	5	37
10–16	4	46	3	38	3	48	1	42	2	32	1	32	2	39	5	37	3	36	2	36	4	44	1	38	3	38	2	44	3	40
17–23	6	52	4	42	3	51	4	46	3	35	3	35	3	42	5	42	5	41	3	39	5	49	3	41	4	42	4	48	3	43
Mar. 24–30	7	59	6	48	7	58	6	52	7	42	6	41	6	48	6	48	7	48	7	46	7	56	7	48	7	49	7	55	7	50
Mar. 31–April 6	6	65	5	53	3	61	4	56	4	46	2	43	4	52	6	54	4	52	2	48	5	61	4	52	4	53	2	57	4	54
Apr. 7–13	6	71	3	56	1	62	1	57	1	47	1	44	1	53	3	57	0	52	2	50	4	65	2	54	2	55	2	59	2	56
14–20	2	73	1	57	1	63	2	59	3	50	3	47	2	55	3	60	3	55	3	53	3	68	3	57	3	58	5	64	3	59
21–27	5	78	5	62	5	68	5	64	6	56	6	53	5	60	6	66	5	60	6	59	5	73	6	63	6	64	5	69	5	64
April 28–May 4	4	82	2	64	2	70	1	65	1	57	1	54	1	61	4	70	2	62	2	61	3	76	3	66	3	67	2	71	2	66
May 5–11	0	82	0	64	1	71	0	65	0	57	0	54	0	61	1	71	0	62	1	62	1	77	1	67	0	67	1	72	0	66
12–18	5	87	4	68	4	75	3	68	1	58	2	56	3	64	2	73	2	64	1	63	3	80	2	69	2	69	2	74	3	69
19–25	4	91	5	73	3	78	2	70	2	60	1	57	3	67	4	77	3	67	1	64	3	83	3	72	3	72	1	75	3	72
May 26–June 1	2	93	1	74	2	80	2	72	2	62	3	60	2	69	1	78	3	70	2	66	2	85	2	74	2	74	3	78	2	74
June 2–8	2	95	1	75	1	81	1	73	1	63	1	61	1	70	1	79	1	71	1	67	1	86	1	75	1	75	1	79	1	75
9–15	5	100	3	78	3	84	3	76	2	65	2	63	3	73	2	81	1	72	1	68	3	89	2	77	2	77	2	81	3	78
16–22	5	105	5	83	2	86	1	77	1	66	2	65	2	75	4	85	2	74	1	69	5	94	1	78	3	80	2	83	2	80
23–29	3	108	3	86	4	90	2	79	4	70	2	67	3	78	4	89	4	78	3	72	4	98	3	81	3	83	3	86	3	83
June 30–July 6	3	111	4	90	4	94	3	82	4	74	3	70	4	82	3	92	3	81	3	75	3	101	3	84	3	86	2	88	3	86
July 7–13	6	117	3	93	2	96	2	84	1	75	2	72	2	84	5	97	2	83	2	77	6	107	4	88	4	90	3	91	3	89
14–20	5	122	5	98	5	101	3	87	4	79	3	75	4	88	6	103	5	88	5	82	6	113	5	93	5	95	4	95	5	94
21–27	5	127	5	103	7	108	6	93	6	85	6	81	6	94	5	108	6	94	6	88	6	119	6	99	6	101	5	100	6	100
July 28–Aug. 3	5	132	4	107	3	111	3	96	3	88	4	85	3	97	4	112	3	97	3	91	4	123	3	102	3	104	4	104	3	103
Aug. 4–10	5	137	5	112	5	116	6	102	6	94	6	91	6	103	5	117	6	103	6	97	6	129	6	108	6	110	7	111	6	109
11–17	4	141	5	117	4	120	3	105	4	98	3	94	4	107	5	122	4	107	3	100	6	135	5	113	5	115	3	114	5	114
18–24	5	146	4	121	2	122	2	107	2	100	2	96	2	109	5	127	3	110	2	102	5	140	5	118	4	119	4	118	3	117
Aug. 25–31	7	153	6	127	4	126	2	109	3	103	2	98	3	112	6	133	4	114	3	105	6	146	4	122	5	124	3	121	4	121
Sept. 1–7	6	159	3	130	4	130	2	111	3	106	2	100	3	115	3	136	5	119	3	108	3	149	4	126	4	128	1	122	4	125
8–14	5	164	3	133	2	132	1	112	2	108	2	102	2	117	3	139	2	121	2	110	3	152	2	128	2	130	2	124	2	127
15–21	4	168	3	136	1	133	1	113	1	109	1	103	1	118	2	141	1	122	1	111	2	154	1	129	1	131	1	125	1	128
22–28	3	171	1	137	1	134	0	113	1	110	1	104	1	119	2	143	2	124	1	112	1	155	1	130	1	132	0	125	1	129
Sept. 29–Oct. 5	5	176	5	142	3	137	4	117	5	115	5	109	4	123	5	148	5	129	5	117	5	160	5	135	5	137	6	131	5	134
Oct. 6–12	6	182	4	146	5	142	5	122	4	119	4	113	4	127	5	153	5	134	3	120	4	164	3	138	4	141	4	135	4	138
13–19	4	186	4	150	4	146	2	124	1	120	1	114	3	130	3	156	3	137	2	122	3	167	3	141	3	144	2	137	3	141
20–26	6	192	5	155	5	151	5	129	4	124	3	117	5	135	3	159	6	143	5	127	5	172	3	144	4	148	6	143	4	145
Oct. 27–Nov. 2	4	196	3	158	4	155	4	133	2	126	4	121	3	138	2	161	4	147	5	132	4	176	3	147	3	151	6	149	3	148
Nov. 3–9	6	202	5	163	5	160	6	139	6	132	7	128	6	144	5	166	4	151	7	139	5	181	6	153	6	157	7	156	6	154
10–16	7	209	7	170	5	165	4	143	6	138	7	135	6	150	7	173	7	158	7	146	7	188	7	160	7	164	7	163	7	161
17–23	4	213	4	174	5	170	4	147	5	143	4	139	4	154	4	177	4	162	5	151	4	192	5	165	4	168	6	169	4	165
Nov. 24–30	4	217	3	177	4	174	4	151	4	147	4	143	4	158	3	180	3	165	4	155	4	196	4	169	4	172	6	175	4	169
Dec. 1–7	7	224	6	183	4	178	3	154	5	152	4	147	4	162	6	186	7	172	6	161	7	203	6	175	6	178	6	181	5	174
8–14	7	231	4	187	2	180	5	159	5	157	5	152	4	166	6	192	6	178	6	167	6	209	7	182	6	184	7	188	5	179
15–21	3	234	4	191	5	185	3	162	3	160	3	155	4	170	2	194	3	181	4	171	4	213	4	186	4	188	4	192	4	183
Dec. 22–28	3	237	4	195	4	189	3	165	3	163	5	160	4	174	2	196	2	183	6	177	5	218	6	192	4	192	7	199	4	187

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TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, DURING THE YEAR 1895.

DATE. — LIMITS OF WEEKS.	0. Scotland, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.					
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.
	Rainfall in Inches.																													
1895.																														
Dec. 30/94-Jan. 5/95	0·96	0·96	0·32	0·32	0·64	0·64	0·99	0·99	0·19	0·19	0·30	0·30	0·49	0·49	0·44	0·44	0·41	0·41	0·52	0·52	0·94	0·94	1·06	1·06	0·67	0·67	0·71	0·71	0·58	0·58
Jan. 6-12	0·59	1·55	0·29	0·61	0·99	1·63	0·26	1·25	0·43	0·62	0·68	0·98	0·53	1·02	0·17	0·61	0·17	0·58	0·87	1·39	0·46	1·40	1 62	2·68	0·66	1·33	1·09	1·80	0·60	1·18
13-19	0·94	2·49	1·74	2·35	1·60	3·23	0·97	2·22	1·50	2·12	1·22	2·20	1·41	2·43	0·63	1·24	1·43	2·01	1·95	3·34	0·57	1·97	1·16	3·84	1·15	2·48	1·38	3·18	1·28	2·46
20-26	1·17	3·66	0·43	2·78	0·72	3·95	0·86	3·08	0 96	3·08	0·45	2·65	0·68	3·11	0·42	1·66	0·65	2·66	0·83	4·17	0·76	2·73	0·36	4·20	0·60	3·08	0·84	4·02	0·64	3·10
Jan. 27-Feb. 2	0·34	4·00	0·47	3·25	0·76	4·71	0·34	3·42	0·39	3·47	0·23	2·88	0·44	3·55	0·17	1·83	0·30	2·96	0·44	4·61	0·30	3·03	0·23	4·43	0·29	3·37	0·52	4·54	0·36	3·46
Feb. 3-9	0·33	4·33	0·25	3·50	0·28	4·99	0·06	3·48	0·01	3·48	0·06	2·94	0·13	3·68	0·72	2·55	0·06	3·02	0·00	4·61	0·91	3·94	0·86	5·29	0·50	3·87	0·12	4·66	0·32	3·78
10-16	0·04	4·37	0·06	3·56	0·03	5·02	0·03	3·51	0·00	3·48	0·00	2·94	0·03	3·71	0·02	2·57	0·00	3·02	0·00	4·61	0·00	3·94	0·42	5·71	0·09	3·96	0·17	4·83	0·06	3·84
17-23	0·37	4·74	0·17	3·73	0·12	5·14	0·04	3·55	0·01	3·49	0·02	2·96	0·07	3·78	0·16	2·73	0·07	3·09	0·00	4·61	0·08	4·02	0·01	5·72	0·07	4·03	0·00	4·83	0·07	3·91
Feb. 24-Mar. 2	0·90	5·64	0·26	3·99	0·37	5·51	0·27	3·82	0·12	3·61	0·16	3·12	0·24	4·02	0·36	3·09	0·30	3·39	0·29	4·90	0·50	4·52	0·24	5·96	0·34	4·37	0·27	5·10	0·29	4·20
Mar. 3-9	0·32	5·96	0·29	4·28	0·66	6·17	0·49	4·31	0·49	4·10	0·49	3·61	0·48	4·50	0·57	3·66	0·50	3·89	0·70	5·60	0·58	5·10	1·12	7·08	0·69	5·06	0·69	5·79	0·58	4·78
10-16	0·86	6·82	0·29	4·57	0·12	6·29	0·03	4·34	0·08	4·18	0·09	3·70	0·12	4·62	0·55	4·21	0·20	4·09	0·23	5·83	0·30	5·40	0·16	7·24	0·29	5·35	0·25	6·04	0·20	4·98
17-23	1·47	8·29	0·30	4·87	0·32	6·61	0·33	4·67	0·33	4·51	0·23	3·93	0·30	4·92	1·43	5·64	1·15	5·24	0·86	6·69	0·89	6·29	1·03	8·27	1·07	6·42	0·15	6·19	0·69	5·67
24-30	1·47	9·76	1·54	6·41	0·90	7·51	0·91	5·58	0·91	5·42	0·77	4·70	1·01	5·93	1·08	6·72	1·44	6·68	1·45	8·14	1·42	7·71	1·20	9·47	1·32	7·74	1·13	7·32	1·17	6·84
Mar. 31-April 6	1·27	11·03	0·37	6·78	0·21	7·72	0·36	5·94	0·26	5·68	0·27	4·97	0·29	6·22	0·65	5·37	0·48	7·16	0·33	8·47	0·43	8·14	0·26	9·73	0·43	8·17	0·32	7·64	0·36	7·20
April 7-13	1·22	12·25	0·14	6·92	0·03	7·75	0·01	5·95	0·01	5·69	0·05	5·02	0·05	6·27	0·28	5·65	0·01	7·17	0·10	8·57	0·17	8·31	0·08	9·81	0·13	8·30	0·03	7·67	0·09	7·29
14-20	0·71	12·36	0·12	7·04	0·09	7·84	0·12	6·07	0·37	6·06	0·23	5·25	0·19	6·46	0·21	7·86	0·34	7·51	0·41	8·98	0·30	8·61	0·53	10·34	0·36	8·66	0·51	8·18	0·27	7·56
21-27	0·96	13·32	0·81	7·85	0·95	8·79	0·61	6·68	1·34	7·40	1·21	6·46	0·98	7·44	1·29	9·15	1·26	8·77	1·44	10·42	0·95	9·50	1·61	11·35	1·19	9·85	0·97	9·15	1·09	8·65
April 28-May 4	0·45	13·77	0·17	8·02	0·16	8·95	0·05	6·73	0·29	7·69	0·06	6·52	0·15	7·59	0·44	9·59	0·32	9·09	0·29	10·71	0·26	9·82	0·38	11·73	0·34	10·19	0·21	9·36	0·25	8·90
May 5-11	0·01	13·78	0·01	8·03	0·06	9·01	0·00	6·73	0·00	7·69	0·00	0·52	0·01	7·60	0·02	9·61	0·00	9·09	0·02	10·73	0·02	9·84	0·04	11·77	0·02	10·21	0·01	9·37	0·02	8·92
12-18	0·74	14·52	0·24	8·27	0·26	9·27	0·51	7·24	0·07	7·76	0·07	6·59	0·23	7·83	0·15	9·76	0·06	9·15	0·01	10·74	0·29	10·13	0·07	11·84	0·11	10·32	0·02	9·39	0·17	9·09
19-25	0·59	15·11	0·59	8·86	0·24	9·51	0·23	7·47	0·23	7·99	0·09	6·68	0·28	8·11	0·27	10·03	0·26	9·41	0·17	10·91	0·30	10·43	0·23	12·07	0·25	10·57	0·02	9·41	0·26	9·35
May 26-June 1	0·12	15·23	0·08	8·94	0·49	10·00	0·53	8·00	0·28	8·27	0·21	6·89	0·32	8·43	0·07	10·10	0·43	9·84	0·45	11·36	0·13	10·56	0·56	12·63	0·33	10·90	0·80	10·21	0·32	9·67
June 2-8	0·35	15·58	0·10	9·04	0·09	10·09	0·03	8·03	0·02	8·29	0·01	6·90	0·05	8·48	0·02	10·12	0·05	9·89	0·09	11·45	0·03	10·59	0·03	12·66	0·05	10·95	0·21	10·42	0·05	9·72
9-15	0·62	16·20	0·22	9·26	0·18	10·27	0·26	8·29	0·12	8·41	0·28	7·18	0·21	8·69	0·10	10·22	0·13	10 02	0·30	11·75	0·15	10·74	0·44	13·10	0·22	11·17	0·09	10·51	0·22	9·94
16-22	1·70	17·90	1·31	10·57	0·22	10·49	0·03	8·32	0·02	8·43	0·10	7·28	0·34	9·03	0·59	10·81	0·06	10·08	0·10	11·85	0·55	11·29	0·06	13·16	0·27	11·44	0·12	10·63	0·31	10·25
23-29	0·71	18·61	0·75	11·32	1·12	11·61	0·18	8·50	1·09	9·52	0·31	7·59	0·69	9·72	0·61	11·42	0·96	11·04	0·60	12·45	0·70	11·99	0·95	14·11	0·76	12·20	0·25	10·88	0·72	10·97
June 30-July 6	0·59	19·20	0·94	12·26	0·61	12·22	0·61	9·11	0·65	10·17	0·47	8·06	0·66	10·38	0·43	11·85	0·49	11·53	0·82	13·27	0·91	12·90	0·96	15·07	0·72	12·92	0·43	11·31	0·69	11·66
July 7-13	1·57	20·77	0·44	12·70	0·34	12·56	0·30	9·41	0·21	10·38	0·12	8·18	0·28	10·66	1·03	12·88	0·68	12·21	0·21	13·48	0·99	13·89	0·45	15·52	0·67	13·59	0·18	11·49	0·48	12·14
14-20	0·90	21·67	1·01	13·71	1·05	13·61	0·90	10·31	1·24	11·62	0·95	9·13	1·03	11·69	1·23	14·11	1·15	13·36	1·33	14·81	1·02	14·91	1·21	16·73	1·19	14·78	1·14	12·63	1·11	13·25
21-27	0·89	22·56	1·54	15·25	2·50	16·11	1·64	11·95	1·28	12·90	1·73	10·86	1·74	13·43	1·76	15·87	2·01	15·37	1·45	16·26	1·53	16·44	2·11	18·81	1·77	10·55	0·87	13·50	1·75	15·00
July 28-Aug. 3	0·48	23·04	0·30	15·55	0·31	16·42	0·90	12·85	0·46	13·36	0·76	11·62	0·55	13·98	0·52	16·39	0·43	15·80	0·61	16·87	0·99	17·43	0·58	19·39	0·63	17·18	0·72	14·22	0·59	15·59
Aug. 4-10	0·97	24·01	1·01	16·56	1·23	17·65	1·39	14·24	0·92	14·28	1·11	12·73	1·13	15·11	1·94	18·33	1·11	16·91	1·57	18·44	0·97	18·40	1·41	20·80	1·40	18·58	1·35	15·57	1·26	16·85
11-17	1·01	25·02	1·04	17·60	0·36	18·01	1·21	15·45	0·55	14·83	0·57	13·30	0·75	15·86	1·26	19·59	0·54	17·45	0·60	19·04	1·06	19·46	0·44	21·24	0·78	19·36	0·30	15·87	0·77	17·62
18-24	0·56	25·58	0·91	18·51	0·15	18·16	0·57	16·02	0·17	15·00	0·11	13·41	0·38	16·24	0·69	20·28	0·21	17·66	0·21	19·25	0·97	20·43	1·22	22·46	0·66	20·02	0·06	15·93	0·52	18·14
Aug. 25-31	3·04	28·62	1·17	19·68	0·63	18·79	0·16	16·18	0·35	15·35	0·20	13·61	0·50	16·74	2·13	22·41	1·17	18·83	0·84	20·09	1·54	21·97	0·79	23·25	1·29	21·31	0·38	16·31	0·89	19·03
Sept. 1-7	1·18	29·80	0·19	19·87	0·54	19·33	0·55	16·73	0·39	15·74	0·59	14·20	0·45	17·19	0·48	22 89	1·32	20·15	0·39	20·48	0·27	22·24	0·58	23·83	0·61	21·92	0·01	16·32	0·53	19·56
8-14	1·12	30·92	0·37	20·24	0·15	19·48	0·09	16·82	0·23	15·97	0·18	14·38	0·21	17·40	0·62	23·51	0·12	20·27	0·22	20 70	0·51	22·75	0·15	23·98	0·33	22·25	0·27	16·59	0·27	19·83
15-21	1·45	32·37	0·60	20·84	0·04	19·52	0·01	16·83	0·03	16·00	0·01	14·39	0·14	17·54	0·52	24·03	0·04	20·31	0·02	20·72	0·08	22·83	0·17	24·15	0·17	22·42	0·01	16·60	0·16	19·99
22-28	0·20	32·57	0·03	20·87	0·01	19·53	0·01	16·84	0·12	16·12	0·03	14·42	0·04	17·58	0·08	24·11	0·07	20·38	0·06	20·78	0·10	22·93	0·06	24·21	0·07	22·49	0·00	16·60	0·06	20·05
Sept. 29-Oct. 5	2·31	34·88	1·63	22·50	0·50	20·03	0·64	17·48	0·97	17·09	1·21	15·63	0·99	18·57	1·82	25·93	1·70	22·08	2·75	23·53	1·41	24·34	1·35	25·56	1·80	24·29	2·13	18·73	1·40	21·45
Oct. 6-12	1·63	36·51	0·68	23·18	1·25	21·28	1·11	18·59	0·80	17·89	0·91	16·54	0·95	19·52	1·18	27·11	0·75	22·83	0·97	24·50	0·42	24·76	0·52	26·08	0·77	25·06	1·14	19·87	0·86	22·31
13-19	0·33	36·84	0·64	23·82	1·41	22·69	0·19	18·78	0·18	18·07	0·10	16·64	0·50	20·02	0·98	28·09	0·59	23·42	0·21	24·71	1·48	26·24	0·64	26·72	0·78	25·84	0·35	20·22	0·64	22·95
20-26	0·89	37·73	0·99	24·81	0·86	23·55	0·70	19·48	0·57	18·64	0·71	17·35	0·77	20·79	0·24	28·33	1·23	24·65	0·92	25·63	0·86	27·10	0·54	27·26	0·76	26·60	1·16	21·38	0·76	23·71
Oct. 27-Nov. 2	0·76	38·49	0·30	25·11	0·40	23·95	0·43	19·88	0·08	18·72	0·71	18·06	0·38	21·17	0·39	28·72	0·86	25·51	0·74	26·37	0·71	27·81	0·58	27·84	0·66	27·26	1·12	22·50	0·52	24·23
Nov. 3-9	1·37	39·86	0·79	25·90	0·66	24·61	1·36	21·24	1·39	20·11	1·85	19·91	1·21	22·38	1·65	30·37	0·61	26·12	2·42	28·79	1·02	28·83	0·60	28·44	1·26	28·52	2·28	24·78	1·24	25·47
10-16	2·68	42·54	1·47	27·37	0·63	25·24	0·52	21·76	1·35	21·46	1·63	21·54	1·12	23·50	2·45	32·83	2·19	28·31	2·23	31·02	1·74	30·57	2·30	30·74	2·18	30·70	1·54	26·32	1·65	27·12
17-23	0·84	43·38	0·77	28·14	0·51	25·75	0·50	22·26	0·44	21·90	0·33	21·87	0·51	24·01	0·89	33·71	0·56	28·87	0·53	31·55	0·98	31·55	1·18	31·92	0·83	31·53	0·58	26·90	0·67	27·79
Nov. 24-30	0·44	43·82	0·28	28·42	0·55	26·30	0·63	22·89	0·85	22·75	0·78	22·65	0·62	24·63	0·31	34·02	0·30	29·17	0·73	32 28	0·27	31·82	0·53	32·45	0·43	31·96	0·50	27·40	0·53	28·32
Dec. 1-7	3·02	46·84	1·26	29·68	0·21	26·51	0·18	23·07	0·39	23·14	0·28	22·93	0·46	25·09	2·04	36·06	1·06	30·23	0·80	33·08	1·20	33·02	0·55	33·00	1·13	33·09	0·54	27·94	0·79	29·11
8-14	1·47	48·31	0·58	30·26	0·41	26·92	0·75	23·82	0·91	24·05	0·74	23·67	0·68	25·77	1·39	37·45	1·32	31·55	1·12	34·20	1·01	34·03	1·14	34·14	1·20	34·29	0·84	28·78	0·94	30·05
15-21	0·46	48·77	0·76	31·02	0·30	27·22	0·10	23·92	0·22	24·27	0·46	24·13	0·37	26·14	0·32	37·77	0·21	31·76	1·18	35·38	0·67	34·70	0·98	35·12	0·67	34·96	0·92	29·70	0·52	30·57
Dec. 22-28	0·35	49·12	0·44	31·46	0·48	27·70	0·34	24·26	0·42	24·69	0·77	24·90	0·49	26·63	0·31	38·28	0·49	32·25	2·01	37·39	0·96	35·66	2·89	38·01	1·37	36·33	2·17	31·87	0·93	31·50

TABLE III.--SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT, DURING THE YEAR 1895.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.																	
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &C. DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.
	DAY-DEGREES ABOVE 42° FAHRENHEIT.																														
1895.																															
Dec. 30/94-Jan. 5/95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	0	
Jan. 6-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	
13-19	0	0	0	0	0	0	0	0	0	8	8	2	2	0	0	0	0	10	10	0	0	1	1	2	2	25	33	2	2		
20-26	0	0	0	0	0	0	0	0	0	8	8	0	2	0	0	0	0	3	13	0	0	1	2	1	3	20	53	1	3		
Jan. 27-Feb. 2	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	13	0	0	0	2	0	3	0	53	0	3		
Feb. 3-9	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	13	0	0	0	2	0	3	0	53	0	3		
10-16	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	13	0	0	0	2	0	3	0	53	0	3		
17-23	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	0	13	0	0	0	2	0	3	0	53	0	3		
Feb. 24-Mar. 2	0	0	0	0	0	0	0	0	0	0	8	0	2	2	2	0	0	4	17	7	7	11	13	5	8	5	58	3	6		
Mar. 3-9	3	3	0	0	0	0	0	0	0	0	8	0	2	2	4	0	0	4	21	10	17	15	28	6	14	11	69	3	9		
10-16	7	10	7	7	16	16	24	24	23	23	20	28	18	20	10	14	16	16	19	40	24	41	33	61	21	35	28	97	20	29	
17-23	25	35	31	38	43	59	53	77	53	76	46	74	45	65	32	46	26	42	41	81	38	79	43	104	36	71	29	126	40	69	
24-30	8	43	7	45	23	82	32	109	28	104	29	103	24	89	12	58	18	60	26	107	14	93	26	130	19	90	31	157	21	90	
Mar. 31-April 6	5	48	12	57	13	95	13	122	16	120	15	118	14	103	15	73	11	71	23	130	18	111	27	157	19	109	24	181	17	107	
April 7-13	17	65	33	90	39	134	50	172	50	170	44	162	43	146	34	107	35	106	40	170	36	147	43	200	38	147	45	226	41	148	
14-20	41	106	39	129	36	170	51	223	56	226	51	213	46	192	49	156	47	153	47	217	49	196	47	247	48	195	45	271	47	195	
21-27	43	149	52	181	57	227	64	287	59	285	57	270	58	250	53	209	55	208	51	268	49	245	61	308	53	248	69	340	55	250	
April 28-May 4	44	193	49	230	46	273	54	341	60	345	56	326	53	303	47	256	47	255	51	319	51	296	52	360	50	298	55	395	52	302	
May 5-11	73	266	72	302	58	331	81	422	87	432	85	411	76	379	75	331	85	340	81	400	81	377	78	438	80	378	89	484	78	380	
12-18	42	308	54	356	55	386	74	496	76	508	87	498	69	448	67	398	66	406	83	483	71	448	87	525	75	453	83	567	72	452	
19-25	48	356	53	409	41	427	59	555	65	573	70	568	58	506	64	462	64	470	69	552	57	505	57	582	62	515	75	642	60	512	
May 26-June 1	88	444	101	510	105	532	106	661	121	694	113	681	109	615	103	565	115	585	107	659	107	612	102	684	107	622	114	756	108	620	
June 2-8	102	546	106	616	95	627	102	763	111	805	113	794	105	720	119	684	106	691	119	778	114	726	119	803	115	737	110	866	110	730	
9-15	43	589	60	676	75	702	80	843	83	888	99	893	80	800	65	749	77	768	97	875	72	798	89	892	80	817	109	975	80	810	
16-22	53	642	67	743	85	787	100	944	95	983	108	1001	91	891	70	819	83	851	96	971	76	874	94	986	84	901	120	1095	88	898	
23-29	99	741	113	856	123	910	130	1073	144	1127	141	1142	130	1021	131	950	141	992	141	1112	135	1009	138	1124	137	1038	131	1226	133	1031	
June 30 to July 6	90	831	104	960	113	1023	119	1192	112	1239	123	1265	114	1135	104	1054	111	1103	111	1223	102	1111	107	1231	107	1145	126	1352	111	1142	
July 7-13	87	918	100	1060	123	1146	132	1324	127	1366	137	1402	124	1259	99	1153	114	1217	125	1348	103	1214	117	1348	112	1257	139	1491	118	1260	
14-20	83	1001	94	1154	113	1259	130	1454	120	1486	136	1538	119	1378	98	1251	113	1330	116	1464	99	1313	104	1452	106	1363	130	1621	113	1373	
21-27	74	1075	83	1237	111	1370	141	1595	134	1620	137	1675	121	1499	94	1345	116	1446	125	1589	97	1410	109	1561	108	1471	141	1762	114	1487	
July 28-Aug. 3	79	1154	87	1324	102	1472	108	1703	106	1726	120	1795	105	1604	92	1437	100	1546	109	1698	96	1506	102	1663	100	1571	124	1886	103	1590	
Aug. 4-10	99	1253	106	1430	113	1585	120	1823	110	1836	123	1918	114	1718	102	1539	113	1659	106	1804	95	1601	99	1762	103	1674	125	2011	109	1699	
11-17	112	1365	114	1544	130	1715	131	1954	128	1964	135	2053	127	1845	118	1657	128	1787	122	1926	117	1718	121	1883	121	1795	140	2151	124	1823	
18-24	113	1478	123	1667	146	1861	157	2111	143	2107	155	2208	145	1990	121	1778	136	1923	134	2060	117	1835	122	2005	126	1921	156	2307	135	1958	
Aug. 25-31	80	1558	100	1767	123	1984	139	2241	120	2227	134	2342	121	2111	106	1884	120	2043	121	2181	107	1942	118	2123	114	2035	141	2448	118	2076	
Sept. 1-7	89	1647	104	1871	123	2107	145	2386	134	2361	146	2488	131	2242	104	1988	121	2164	131	2312	111	2053	110	2233	115	2150	158	2606	123	2199	
8-14	93	1740	99	1970	111	2218	116	2502	116	2477	132	2620	115	2357	108	2096	118	2282	124	2436	106	2159	109	2342	113	2263	146	2752	114	2313	
15-21	74	1814	85	2055	99	2317	97	2599	96	2573	109	2729	97	2454	85	2181	99	2381	104	2540	97	2256	99	2441	97	2360	133	2885	97	2410	
22-28	113	1927	118	2173	136	2453	134	2733	144	2717	165	2894	139	2593	121	2302	151	2532	155	2695	127	2383	131	2572	137	2497	172	3057	137	2547	
Sept. 29-Oct. 5	57	1984	51	2224	70	2523	93	2826	82	2799	109	3003	81	2674	71	2373	92	2624	104	2799	71	2454	81	2653	84	2581	132	3189	83	2630	
Oct. 6-12	34	2018	38	2262	50	2573	56	2882	53	2852	69	3072	53	2727	44	2417	59	2683	63	2862	40	2494	46	2699	50	2631	91	3280	52	2682	
13-19	33	2051	35	2297	38	2611	46	2928	45	2897	57	3129	44	2771	36	2453	40	2723	62	2924	40	2534	67	2766	49	2680	95	3375	46	2728	
20-26	2	2053	2	2299	8	2619	15	2943	11	2908	16	3145	11	2782	9	2462	9	2732	17	2941	12	2546	16	2782	13	2693	39	3414	12	2740	
Oct. 27-Nov. 2	2	2055	1	2300	9	2628	12	2955	11	2919	18	3163	10	2792	10	2472	10	2742	17	2958	13	2559	16	2798	13	2706	33	3447	12	2752	
Nov. 3-9	26	2081	15	2315	33	2661	45	3000	35	2954	65	3228	39	2831	28	2500	34	2776	56	3014	29	2588	41	2849	38	2744	88	3535	38	2790	
10-16	26	2107	17	2332	40	2701	49	3049	48	3002	61	3289	43	2874	32	2532	43	2819	57	3071	28	2616	36	2875	39	2783	80	3615	41	2831	
17-23	20	2127	13	2345	24	2725	31	3080	30	3032	37	3326	27	2901	23	2555	28	2847	44	3115	28	2644	36	2911	32	2815	69	3684	30	2861	
Nov. 24-30	8	2135	6	2351	15	2740	20	3100	15	3047	25	3351	16	2917	18	2573	18	2865	28	3143	12	2656	25	2936	20	2835	46	3730	18	2839	
Dec. 1-7	4	2139	4	2355	12	2752	27	3127	26	3073	31	3382	20	2937	20	2593	25	2890	31	3174	12	2668	29	2965	23	2858	52	3782	22	2901	
8-14	3	2142	2	2357	4	2756	6	3133	8	3081	14	3396	7	2944	12	2605	11	2901	30	3204	8	2676	32	2997	19	2877	46	3828	13	2914	
15-21	0	2142	0	2357	0	2756	0	3133	0	3081	4	3400	1	2945	0	2605	0	2901	4	3208	0	2676	1	2998	1	2878	22	3850	1	2915	
Dec. 22-28	0	2142	0	2357	0	2756	0	3133	0	3081	0	3400	0	2945	0	2605	0	2901	6	3214	0	2676	21	3019	6	2884	36	3886	3	2918	

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT, DURING THE YEAR 1895.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		Means for the British Islands generally.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.							
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.						
	Day-Degrees below 42° Fahrenheit.																															
1895.																																
Dec. 30/94–Jan. 5/95	67	67	71	71	57	57	60	60	62	62	54	54	61	61	58	58	42	42	42	42	44	44	33	33	44	44	19	19	52	52
Jan. 6–12	85	152	118	189	90	147	90	150	103	165	83	137	97	158	85	143	78	120	68	110	67	111	50	83	69	113	32	51	83	135
13–19	34	186	49	238	41	188	32	182	38	203	23	160	37	195	39	182	39	159	25	135	41	152	26	109	34	147	4	55	36	171
20–26	63	249	70	308	57	245	52	234	53	256	35	195	53	248	50	232	44	203	32	167	40	192	33	142	40	187	9	64	47	218
Jan. 27–Feb. 2	90	339	102	410	82	327	106	340	110	366	100	295	100	348	87	319	83	286	93	260	67	259	57	199	78	265	56	120	89	307
Feb. 3–9	95	434	122	532	116	443	132	472	151	517	123	418	129	477	104	423	113	399	106	366	97	356	71	270	98	363	78	198	113	420
10–16	92	526	132	664	107	550	120	592	132	649	106	524	119	596	114	537	105	504	92	458	86	442	59	329	91	454	63	261	105	525
17–23	64	590	85	749	47	597	54	646	69	718	61	585	63	659	69	606	65	569	62	520	57	499	46	375	60	514	35	296	62	587
Feb. 24–Mar. 2	43	633	46	795	38	635	42	688	42	760	41	626	42	701	40	646	36	605	35	555	33	532	37	412	36	550	28	324	39	626
Mar. 3–9	35	668	40	835	42	677	46	734	46	806	44	670	44	745	31	677	36	641	32	587	31	563	27	439	31	581	18	342	38	664
10–16	32	700	30	865	27	704	36	770	37	843	32	702	32	777	21	698	24	665	29	616	15	578	16	455	21	602	8	350	26	690
17–23	10	710	11	876	9	713	13	783	13	856	11	713	11	788	4	702	8	673	8	624	0	578	0	455	4	606	3	353	8	698
24–30	27	737	28	904	13	726	12	795	13	869	8	721	15	803	23	725	11	684	7	631	21	599	6	461	14	620	0	353	14	712
Mar. 31–April 6	32	769	31	935	28	754	28	823	31	900	23	744	28	831	27	752	24	708	15	646	17	616	14	475	20	640	7	360	24	736
April 7–13	23	792	16	951	14	768	14	837	14	914	4	748	12	843	11	763	9	717	4	650	7	623	0	475	6	646	0	360	9	745
14–20	13	805	21	972	13	781	11	848	11	925	3	751	12	855	10	773	8	725	3	653	4	627	0	475	5	651	0	360	9	754
21–27	0	805	0	972	0	781	0	848	0	925	0	751	0	855	0	773	0	725	0	653	0	627	0	475	0	651	0	360	0	754
April 28–May 4	5	810	7	979	1	782	6	854	5	930	4	755	4	859	5	778	0	725	1	654	7	634	4	479	4	655	0	360	4	758
May 5–11	0	810	5	984	0	782	0	854	4	934	0	755	2	861	0	778	0	725	0	654	0	634	0	479	0	655	0	360	1	759
12–18	0	810	0	984	0	782	0	854	0	934	0	755	0	861	0	778	0	725	0	654	0	634	0	479	0	655	0	360	0	759
19–25	0	810	3	987	1	783	0	854	0	934	0	755	1	862	0	778	0	725	0	654	1	635	0	479	0	655	0	360	1	760
May 26–June 1	0	810	0	987	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
June 2–8	0	810	0	987	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
9–15	1	811	1	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
16–22	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
23–29	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
June 30–July 6	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
July 7–13	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
14–20	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
21–27	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
July 28–Aug. 3	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
Aug. 4–10	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
11–17	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
18–24	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
Aug. 25–31	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
Sept. 1–7	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
8–14	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
15–21	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
22–28	0	811	0	988	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
Sept. 29–Oct. 5	0	811	2	990	0	783	0	854	0	934	0	755	0	862	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
Oct. 6–12	5	816	3	993	0	783	0	854	0	934	0	755	1	863	0	778	0	725	0	654	0	635	0	479	0	655	0	360	0	760
13–19	9	825	12	1005	3	786	1	855	6	940	0	755	4	867	7	785	0	725	0	654	1	636	0	479	2	657	0	360	3	763
20–26	33	858	31	1036	27	813	26	881	35	975	25	780	29	896	33	818	27	752	25	679	27	663	31	510	28	685	0	360	29	792
Oct. 27–Nov. 2	39	897	43	1079	35	848	39	920	38	1013	32	812	37	933	36	854	27	779	30	709	29	692	27	537	30	715	4	364	33	825
Nov. 3–9	14	911	25	1104	4	852	0	920	0	1013	0	812	6	939	4	858	1	780	0	709	6	698	7	544	4	719	0	364	5	830
10–16	13	924	17	1121	8	860	4	924	7	1020	0	812	7	946	6	864	0	780	0	709	10	708	4	548	4	723	0	364	6	836
17–23	12	936	22	1143	9	869	11	935	15	1035	3	815	12	958	7	871	3	783	0	709	6	714	0	548	3	726	0	364	8	844
Nov. 24–30	23	959	17	1160	4	873	8	943	8	1043	3	818	8	966	10	881	6	789	0	709	11	725	6	554	7	733	0	364	8	852
Dec. 1–7	30	989	34	1194	22	895	16	959	14	1057	9	827	19	985	12	893	4	793	3	712	23	748	4	558	9	742	0	364	14	866
8–14	37	1026	41	1235	37	932	42	1001	40	1097	34	861	39	1024	33	926	28	821	13	725	34	782	18	576	25	767	0	364	32	898
15–21	33	1059	50	1285	27	959	27	1028	43	1140	23	884	34	1058	29	955	35	856	25	750	46	828	35	611	34	801	2	366	34	932
Dec. 22–28	25	1084	51	1336	45	1004	58	1086	64	1204	37	921	51	1109	32	987	50	906	23	773	25	853	8	619	28	829	0	366	39	971

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT, REGISTERED DURING THE YEAR 1895.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.																	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.
	Numbers of Hours of Bright Sunshine.																													
1895.																														
Dec. 30/94-Jan. 5/95	5	5	6	6	13	13	11	11	17	17	16	16	13	13	18	18	12	12	21	21	13	13	15	15	16	16	14	14	15	15
Jan. 6-12	7	12	11	17	11	24	6	17	6	23	13	29	9	22	10	28	7	19	15	36	9	22	13	28	11	27	12	26	10	25
13-19	4	16	4	21	4	28	7	24	6	29	11	40	6	28	6	34	2	21	15	51	4	26	5	33	6	33	20	46	6	31
20-26	10	26	11	32	16	44	12	36	15	44	15	55	14	42	26	60	16	37	18	69	18	44	19	52	19	52	19	65	16	47
Jan. 27-Feb. 2	14	40	8	40	8	52	11	47	12	56	13	68	10	52	17	77	16	53	21	90	20	64	20	72	19	71	27	92	15	62
Feb. 3-9	15	56	15	55	23	72	32	79	31	87	25	93	25	77	13	90	18	71	20	110	21	85	13	85	17	88	27	119	21	83
10-16	36	92	32	87	38	110	29	108	33	120	26	119	32	109	20	110	30	101	21	131	23	108	22	107	23	111	23	142	27	110
17-23	27	119	22	109	20	130	15	123	8	128	15	134	16	125	13	123	6	107	26	157	24	132	30	137	20	131	28	170	18	128
Feb. 24-Mar. 2	15	134	21	130	28	158	20	143	20	148	26	160	23	148	33	156	16	123	34	191	20	152	24	161	25	156	39	209	24	152
Mar. 3-9	16	150	17	147	11	169	20	163	14	162	23	183	17	165	23	179	16	139	26	217	26	178	32	193	25	181	28	237	21	173
10-16	13	163	13	160	20	189	32	195	24	186	37	220	25	190	15	194	16	155	26	243	16	194	25	218	20	201	43	280	22	195
17-23	18	181	21	181	28	217	33	228	27	213	28	248	28	218	12	206	11	166	32	275	7	201	13	231	15	216	25	305	22	217
24-30	25	206	11	192	14	231	23	251	18	231	29	277	19	237	16	222	10	176	36	311	22	223	29	260	23	239	43	348	21	238
Mar. 31-April 6	17	223	19	211	27	258	17	268	17	248	18	295	20	257	24	246	17	193	32	343	24	247	19	279	23	262	31	379	22	260
April 7-13	16	239	44	255	51	309	53	321	46	294	41	336	47	304	39	285	45	238	52	395	30	277	35	314	40	302	56	435	43	303
14-20	48	287	42	297	45	354	43	364	48	342	49	385	45	349	44	329	48	286	42	437	41	318	38	352	43	345	41	476	44	347
21-27	14	301	21	318	17	371	21	385	19	361	19	404	19	368	14	343	14	300	20	457	21	339	28	380	19	364	36	512	19	366
April 28-May 4	31	332	45	363	46	417	55	440	58	419	56	460	52	420	42	385	54	354	62	519	39	378	53	433	50	414	65	577	51	417
May 5-11	52	384	79	442	78	495	87	527	85	504	81	541	82	502	68	453	81	435	81	600	62	440	60	493	71	485	81	658	76	493
12-18	35	419	26	468	24	519	29	556	35	539	39	580	31	533	38	491	25	460	42	642	40	480	31	524	35	520	50	708	33	526
19-25	29	448	23	491	21	540	35	591	25	564	38	618	28	561	31	522	17	477	56	698	46	526	47	571	39	559	48	756	34	560
May 26-June 1	48	496	66	557	53	593	67	658	65	629	60	678	62	623	55	577	55	532	74	772	55	581	53	624	58	617	70	826	60	620
June 2-8	68	564	58	615	41	634	54	712	49	678	60	738	52	675	61	638	46	578	73	845	70	651	76	700	65	682	68	894	58	678
9-15	43	607	58	673	51	685	53	765	63	741	55	793	56	731	67	705	65	643	73	918	67	718	50	750	64	746	78	972	60	738
16-22	22	629	37	710	50	735	56	821	61	802	60	853	53	784	47	752	56	699	65	983	53	771	57	807	56	802	58	1030	53	793
23-29	48	677	58	768	44	779	53	874	41	843	62	915	52	836	48	800	40	739	56	1039	39	810	50	857	47	849	66	1096	50	843
June 30-July 6	20	697	36	804	35	814	45	919	39	882	43	958	40	876	50	850	43	782	62	1101	27	837	29	886	42	891	75	1171	41	884
July 7-13	15	712	43	847	58	872	67	986	67	949	70	1028	61	937	35	885	54	836	56	1157	24	861	33	919	40	931	51	1222	50	934
14-20	19	731	36	883	35	907	36	1022	24	973	46	1074	35	972	33	918	25	861	36	1193	22	883	29	948	29	960	50	1272	32	966
21-27	17	748	14	897	23	930	35	1057	35	1008	30	1104	27	999	22	940	25	886	31	1224	17	900	24	972	24	984	36	1308	26	992
July 28-Aug. 3	18	766	20	917	17	947	30	1087	20	1028	21	1125	22	1021	25	965	31	917	24	1248	15	915	15	987	22	1006	30	1338	22	1014
Aug. 4-10	25	791	27	944	30	977	41	1128	36	1064	39	1164	34	1055	27	992	34	951	30	1278	25	940	26	1013	28	1034	40	1378	31	1045
11-17	17	808	24	968	23	1000	40	1168	37	1101	56	1220	36	1091	26	1018	29	980	58	1336	18	958	24	1037	31	1065	69	1447	34	1079
18-24	24	832	31	999	50	1050	65	1233	58	1159	66	1286	54	1145	35	1053	39	1019	42	1378	21	979	26	1063	33	1098	56	1503	43	1122
Aug. 25-31	13	845	22	1021	32	1082	58	1291	45	1204	55	1341	42	1187	22	1075	27	1046	40	1418	15	994	20	1083	25	1123	53	1556	34	1156
Sept. 1-7	27	872	42	1063	38	1120	57	1348	42	1246	58	1399	47	1234	39	1114	32	1078	40	1358	38	1032	37	1120	37	1160	58	1614	42	1198
8-14	18	890	35	1098	46	1166	52	1400	48	1294	52	1451	47	1281	36	1150	32	1110	47	1505	20	1052	36	1156	34	1194	54	1668	40	1238
15-21	13	903	29	1127	44	1210	39	1439	43	1337	47	1498	41	1322	36	1186	40	1150	48	1553	30	1082	39	1195	39	1233	61	1729	40	1278
Sept. 22-28	22	925	44	1171	56	1266	67	1506	60	1397	69	1567	59	1381	37	1223	49	1199	59	1612	40	1122	50	1245	47	1280	59	1788	53	1331
Sept. 29-Oct. 5	33	958	30	1201	29	1295	38	1544	30	1427	38	1605	33	1414	26	1249	24	1223	42	1654	29	1151	38	1283	32	1312	36	1824	33	1364
Oct. 6-12	18	976	20	1221	24	1319	18	1562	18	1445	20	1625	20	1434	22	1271	21	1244	18	1672	24	1175	26	1309	22	1334	24	1848	21	1385
13-19	23	999	30	1251	26	1345	19	1581	21	1466	27	1652	25	1459	23	1294	26	1270	21	1693	26	1201	19	1328	23	1357	36	1884	24	1409
20-26	20	1019	22	1273	31	1376	21	1602	17	1483	19	1671	22	1481	27	1321	16	1286	28	1721	31	1232	37	1365	23	1385	31	1915	25	1434
Oct. 27-Nov. 2	15	1034	19	1292	23	1399	18	1620	18	1501	26	1697	21	1502	24	1345	9	1295	23	1744	28	1260	25	1390	22	1407	30	1945	21	1455
Nov. 3-9	15	1049	14	1306	12	1411	10	1630	8	1509	8	1705	10	1512	11	1356	6	1301	8	1752	17	1277	26	1416	14	1421	12	1957	12	1467
10-16	6	1055	14	1320	12	1423	22	1652	17	1526	21	1726	17	1529	12	1368	10	1311	17	1769	14	1291	18	1434	14	1435	23	1980	16	1483
17-23	5	1060	13	1333	12	1435	16	1668	15	1541	11	1737	14	1543	12	1380	13	1324	19	1788	19	1310	14	1448	15	1450	18	1998	15	1498
Nov. 24-30	10	1070	1	1334	2	1437	4	1672	3	1544	2	1739	2	1545	10	1390	7	1331	10	1798	18	1328	17	1465	12	1462	12	2010	7	1505
Dec. 1-7	2	1072	10	1344	13	1450	15	1687	13	1557	15	1754	13	1558	6	1396	5	1336	8	1806	10	1338	16	1481	9	1471	6	2016	11	1516
8-14	4	1076	9	1353	7	1457	15	1702	10	1567	15	1769	11	1569	11	1407	3	1339	7	1813	10	1348	11	1492	8	1479	5	2021	9	1525
15-21	4	1080	2	1355	3	1460	4	1706	7	1574	4	1773	4	1573	3	1410	3	1342	11	1824	7	1355	15	1507	8	1487	10	2031	6	1531
Dec. 22-28	3	1083	0	1355	1	1461	3	1709	1	1575	3	1776	2	1575	0	1410	1	1343	1	1825	0	1355	1	1508	1	1488	3	2034	2	1533

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR THE PERCENTAGES OF THE POSSIBLE DURATION OF BRIGHT SUNSHINE IN EACH DISTRICT, WHICH WAS ACTUALLY RECORDED DURING THE YEAR 1895

DATE. — LIMITS OF WEEKS.	0. Scotland, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat Producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.					
	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.	Weekly.	From Dec. 30/94.
	Percentages of Possible Duration.																													
1895.																														
Dec. 30/94-Jan. 5/95	10	10	13	13	25	25	22	22	32	32	30	30	25	24	36	36	24	24	38	38	25	25	28	28	30	30	24	24	28	27
Jan. 6-12	14	10	22	22	20	22	11	16	10	21	23	25	17	21	19	27	12	23	27	32	17	20	24	26	20	26	21	25	19	24
13-19	8	8	8	17	6	16	12	14	11	18	20	22	12	18	10	21	3	17	25	29	7	16	9	20	11	21	33	28	12	20
20-26	18	10	20	18	28	19	21	16	26	20	25	23	24	19	46	28	27	20	30	29	31	19	33	24	33	24	31	30	29	22
Jan. 27-Feb. 2	24	17	13	17	13	18	18	16	20	19	21	22	17	18	28	28	22	22	33	29	34	22	32	25	30	25	42	34	24	22
Feb. 3-9	26	19	24	18	31	20	50	22	48	25	39	25	38	22	21	27	28	25	30	30	33	25	19	24	26	26	42	39	32	24
10-16	56	25	50	24	58	26	43	25	45	29	39	26	47	26	30	27	45	29	30	30	35	27	33	26	35	28	34	40	41	27
17-23	34	26	32	24	28	26	22	25	11	26	22	25	23	25	19	26	9	27	36	31	34	28	43	28	28	28	39	41	26	27
Feb. 24-Mar. 2	21	26	29	25	39	28	28	25	26	26	36	26	32	26	45	28	22	27	46	33	27	28	33	29	35	29	51	42	34	28
Mar. 3-9	22	25	22	25	14	26	26	26	18	25	29	26	22	26	30	29	21	27	33	33	33	29	41	30	32	29	35	41	27	28
10-16	17	26	15	26	25	26	40	27	30	26	46	28	31	27	18	27	20	27	31	32	20	28	30	30	24	29	53	42	28	28
17-23	21	25	25	27	33	27	39	29	33	26	34	28	33	27	14	26	13	25	38	33	8	26	15	28	18	27	30	40	25	27
24-30	29	27	13	26	16	26	27	29	20	26	33	28	22	27	19	25	11	24	41	34	25	26	33	29	26	28	50	41	24	28
Mar. 31-April 6	18	26	21	26	29	26	20	28	18	25	20	27	22	26	26	25	19	24	35	34	26	26	21	28	25	27	35	41	24	27
Apr. 7-13	17	26	46	29	54	29	57	31	51	27	43	28	50	29	41	27	48	26	56	35	32	27	37	29	43	29	60	42	47	29
14-20	48	28	42	30	46	30	44	32	50	29	51	30	47	30	45	28	49	29	43	36	42	28	39	30	44	30	43	43	45	30
21-27	13	27	20	31	17	29	21	31	19	28	19	29	19	30	14	27	14	27	20	35	20	28	28	30	19	29	36	42	19	30
April 28-May 4	29	27	43	32	44	30	53	33	55	30	55	31	50	31	40	28	51	30	61	37	37	28	51	31	48	31	64	44	49	31
May 5-11	47	28	72	35	72	33	81	36	79	34	77	34	76	34	63	30	76	33	77	39	57	30	56	33	66	33	78	46	71	34
12-18	30	28	23	34	21	32	26	35	32	34	36	34	28	34	34	31	22	33	39	39	36	31	28	33	32	33	47	47	30	34
19-25	24	29	20	33	19	31	32	35	22	33	34	34	25	33	27	30	15	32	51	40	41	31	42	33	35	33	45	45	30	33
May 26-June 1	40	30	56	34	46	32	60	37	58	34	54	35	55	34	48	32	48	33	67	42	48	32	47	34	52	35	64	47	54	35
June 2-8	56	31	49	36	35	32	47	37	42	35	53	37	45	35	52	33	40	34	65	43	60	34	67	36	57	36	61	47	51	36
9-15	35	32	48	36	44	33	46	38	54	36	48	37	48	36	56	34	56	35	64	44	57	35	43	36	55	37	70	48	52	37
16-22	18	32	31	36	42	34	49	38	53	37	52	38	45	37	40	34	48	36	57	45	45	36	51	37	48	38	52	49	47	38
23-29	39	32	48	37	38	34	46	39	36	37	54	39	44	37	41	35	34	36	49	45	33	36	44	37	40	38	59	49	42	38
June 30—July 6	16	31	30	37	30	34	40	39	34	37	38	39	34	37	43	35	36	36	55	45	23	35	25	37	36	38	68	50	35	38
July 7-13	12	30	36	37	49	35	59	40	59	38	62	40	53	38	30	35	46	37	50	46	20	35	29	37	35	38	46	50	44	38
14-20	16	30	30	37	31	35	32	40	21	37	41	40	31	38	29	35	22	37	32	45	19	34	25	36	26	37	46	50	29	38
21-27	14	30	12	36	21	34	32	39	32	37	28	39	25	37	20	34	22	36	28	44	15	33	21	35	21	36	34	50	23	37
July 28-Aug. 3	16	30	18	35	15	33	28	39	18	36	19	38	20	36	23	34	29	36	22	44	14	32	14	35	20	36	28	49	20	36
Aug. 4-10	23	30	25	35	28	33	39	39	34	36	37	38	33	36	26	33	32	36	29	43	23	32	25	34	27	36	39	48	30	36
11-17	16	30	23	35	23	33	39	39	36	36	55	39	35	36	26	33	28	36	57	43	18	32	24	34	31	36	69	49	33	36
18-24	23	30	31	35	50	33	66	40	58	37	67	40	54	37	35	33	39	36	43	43	21	31	26	34	33	35	58	50	44	36
Aug. 25-31	13	30	23	35	33	33	60	40	47	37	58	40	44	37	23	33	28	36	42	43	16	31	21	33	26	35	56	50	35	36
Sept. 1-7	28	30	44	35	40	34	62	41	45	37	63	41	51	38	41	33	35	36	43	43	40	31	40	34	40	35	63	51	46	37
8-14	20	29	39	35	51	34	58	41	53	38	58	42	52	38	40	33	35	36	53	44	22	31	40	34	38	36	60	51	45	37
15-21	15	29	33	35	51	35	46	41	50	38	54	42	47	38	43	33	46	36	57	44	34	31	46	34	45	36	71	52	46	37
22-28	26	28	53	36	67	35	81	43	73	39	83	43	71	39	45	34	59	37	72	45	49	32	60	35	57	37	71	52	64	38
Sept. 29-Oct. 5	42	29	38	36	36	35	48	43	38	39	48	43	42	39	33	34	30	37	53	45	37	32	47	35	40	36	45	52	41	38
Oct. 6-12	24	29	27	36	31	35	24	43	23	39	26	42	26	39	29	34	28	37	24	44	31	32	34	35	29	36	31	52	28	38
13-19	32	29	42	36	36	35	26	42	29	38	36	42	34	39	32	34	35	37	29	44	36	32	25	35	31	36	49	52	33	37
20-26	30	29	33	36	45	35	31	42	25	38	27	42	32	39	40	34	23	37	39	44	43	32	53	35	40	36	44	52	36	37
Oct. 27-Nov. 2	24	29	30	36	35	35	27	42	27	38	37	42	31	39	37	34	13	36	34	44	42	32	38	35	33	36	44	52	32	38
Nov. 3-9	26	29	24	36	19	35	15	41	12	38	12	41	16	38	18	33	10	36	12	43	27	32	41	35	21	36	18	51	19	37
10-16	10	29	22	36	21	35	37	41	28	37	34	41	28	38	21	33	18	36	27	43	24	32	30	35	24	36	37	51	26	37
17-23	9	28	24	36	21	35	28	41	26	37	19	41	24	38	23	33	23	36	31	43	33	32	24	35	27	36	29	51	26	37
Nov. 24-30	21	28	1	35	3	34	8	41	5	37	4	40	4	37	20	33	13	35	17	43	33	32	30	35	23	36	20	50	14	37
Dec. 1-7	4	28	20	36	24	34	28	40	24	37	27	40	25	37	12	33	9	35	15	42	18	32	30	35	17	35	11	50	21	36
8-14	9	28	19	35	13	34	29	40	18	36	27	40	21	37	22	33	7	35	12	42	20	32	21	35	16	35	9	49	18	36
15-21	8	28	4	35	6	34	8	40	14	36	7	39	8	37	5	32	6	35	20	42	15	32	29	35	15	35	18	49	12	36
Dec. 22-28	6	28	0	35	2	33	6	39	1	36	6	39	3	36	0	32	2	34	2	41	0	31	2	34	1	34	6	48	2	35

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VOL. XII. APPENDIX III.] [*Price* 4*s*.

TABLE I.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
1	1881-85	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	1886-90	5	4	3	4	3	3	3	5	4	4	5	4	4	5	4
	1891-95	5	4	5	5	3	3	4	3	3	3	4	4	3	4	4
	1881-95	**5**	**3**	**4**	**4**	**3**	**3**	**3**	**4**	**4**	**4**	**4**	**4**	**4**	**5**	**4**
2	1881-85	10	6	6	7	7	7	7	8	8	9	9	9	9	9	8
	1886-90	10	8	7	8	7	7	7	9	8	8	9	8	8	10	8
	1891-95	9	7	9	9	7	7	8	7	6	7	8	8	7	9	8
	1881-95	**10**	**7**	**8**	**8**	**7**	**7**	**7**	**8**	**7**	**8**	**9**	**8**	**8**	**9**	**8**
3	1881-85	14	9	9	10	9	9	9	12	10	11	12	11	11	11	10
	1886-90	16	12	10	10	11	10	11	14	12	13	14	12	13	15	12
	1891-95	16	12	14	14	12	12	13	13	12	12	14	13	13	15	13
	1881-95	**15**	**11**	**11**	**11**	**11**	**10**	**11**	**13**	**11**	**12**	**13**	**12**	**12**	**14**	**12**
4	1881-85	19	13	13	14	14	13	13	16	14	16	17	17	16	17	15
	1886-90	22	16	14	14	15	14	15	19	16	17	18	16	17	19	16
	1891-95	22	17	17	19	17	17	17	19	17	18	20	18	18	21	18
	1881-95	**21**	**15**	**15**	**16**	**15**	**15**	**15**	**18**	**16**	**17**	**19**	**17**	**17**	**19**	**16**
5	1881-85	24	17	17	18	18	17	17	22	19	21	23	22	21	21	19
	1886-90	28	21	18	19	19	18	19	24	22	22	24	21	23	24	21
	1891-95	28	21	21	22	21	21	21	24	22	22	25	23	23	26	22
	1881-95	**27**	**20**	**19**	**20**	**19**	**19**	**19**	**23**	**21**	**22**	**24**	**22**	**22**	**24**	**21**
6	1881-85	30	22	21	22	23	22	22	28	25	26	29	28	27	27	25
	1886-90	32	23	21	22	21	21	22	27	25	25	28	25	26	29	24
	1891-95	34	26	24	25	24	23	24	29	25	26	30	27	27	29	26
	1881-95	**32**	**24**	**22**	**23**	**23**	**22**	**23**	**28**	**25**	**26**	**29**	**27**	**27**	**28**	**25**
7	1881-85	35	25	25	26	27	26	26	33	29	31	34	33	32	32	29
	1886-90	37	28	24	26	25	25	26	31	29	29	32	29	30	34	28
	1891-95	38	29	28	29	27	27	28	32	28	29	33	31	31	33	30
	1881-95	**36**	**27**	**26**	**27**	**26**	**26**	**26**	**32**	**29**	**30**	**33**	**31**	**31**	**33**	**29**
8	1881-85	40	29	28	30	31	29	29	38	33	35	38	37	36	37	33
	1886-90	41	32	27	28	27	27	28	34	31	31	35	32	33	37	31
	1891-95	41	32	31	31	29	28	30	35	31	32	36	34	34	38	32
	1881-95	**41**	**31**	**29**	**30**	**29**	**28**	**29**	**36**	**32**	**33**	**37**	**35**	**35**	**36**	**32**
9	1881-85	45	33	32	34	35	33	33	42	37	39	44	42	41	42	37
	1886-90	45	35	31	31	29	29	31	35	33	33	38	35	35	39	33
	1891-95	47	36	35	36	33	32	34	40	35	35	41	37	38	39	36
	1881-95	**46**	**35**	**33**	**34**	**32**	**31**	**33**	**39**	**35**	**34.6**	**41**	**38**	**37.8**	**40**	**35**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Mean for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
10	1881-85	50	37	36	38	38	36	37	46	41	43	48	46	45	46	41
	1886-90	51	39	35	35	32	32	35	40	37	37	42	38	39	44	37
	1891-95	52	40	40	39	37	35	38	43	38	39	45	41	41	43	40
	1881-95	**51**	**39**	**37**	**37**	**35**	**35**	**37**	**43**	**39**	**40**	**45**	**42**	**42**	**45**	**40**
11	1881-85	55	41	39	39	39	38	39	50	44	46	52	49	48	49	44
	1886-90	55	43	38	38	34	35	38	43	40	39	45	41	42	47	40
	1891-95	56	43	43	43	40	38	41	47	41	43	49	44	45	47	43
	1881-95	**55**	**42**	**40**	**40**	**38**	**37**	**39**	**47**	**42**	**43**	**49**	**45**	**45**	**48**	**42**
12	1881-85	61	45	42	43	43	41	43	55	48	49	57	53	52	53	48
	1886-90	61	48	43	43	39	40	43	48	45	45	51	45	47	52	45
	1891-95	61	45	45	46	42	41	44	50	44	45	52	46	47	50	46
	1881-95	**61**	**46**	**44**	**44**	**41**	**41**	**43**	**51**	**46**	**46**	**53**	**48**	**49**	**52**	**46**
13	1881-85	65	49	45	44	45	43	45	58	50	53	61	57	56	57	51
	1886-90	66	52	47	47	43	44	47	53	50	49	56	50	52	57	50
	1891-95	64	48	49	48	45	43	47	53	47	47	55	49	50	52	49
	1881-95	**65**	**49**	**47**	**46**	**44**	**43**	**46**	**54**	**49**	**50**	**57**	**52**	**52**	**55**	**49**
14	1881-85	67	51	47	46	47	45	47	60	53	56	64	60	59	59	53
	1886-90	70	55	51	50	46	47	50	56	53	52	59	53	55	60	53
	1891-95	66	50	51	50	47	44	48	55	49	48	58	52	52	54	50
	1881-95	**68**	**52**	**50**	**49**	**47**	**45**	**49**	**57**	**52**	**52**	**60**	**55**	**55**	**58**	**52**
15	1881-85	71	55	51	50	50	48	51	63	56	59	67	63	62	62	57
	1886-90	75	59	55	55	51	51	54	59	57	55	63	56	58	64	56
	1891-95	70	53	53	53	49	46	51	58	51	51	61	55	55	57	53
	1881-95	**72**	**56**	**53**	**52**	**50**	**48**	**52**	**60**	**55**	**55**	**64**	**58**	**58**	**61**	**55**
16	1881-85	75	58	55	53	53	51	54	66	59	61	70	66	64	66	59
	1886-90	79	64	60	59	55	56	59	63	60	60	67	60	62	69	61
	1891-95	74	55	56	55	51	48	53	61	54	53	65	58	58	60	56
	1881-95	**76**	**59**	**57**	**56**	**53**	**52**	**55**	**63**	**58**	**58**	**67**	**61**	**61**	**65**	**58**
17	1881-85	78	62	59	58	57	55	58	70	64	67	75	71	69	71	64
	1886-90	84	68	64	63	58	59	62	67	64	64	71	65	66	73	64
	1891-95	78	59	60	59	55	52	57	65	58	57	69	63	62	64	60
	1881-95	**80**	**63**	**61**	**60**	**57**	**56**	**59**	**68**	**62**	**63**	**72**	**66**	**66**	**69**	**63**
18	1881-85	83	66	64	63	61	59	63	75	67	71	76	74	73	74	68
	1886-90	89	71	66	65	61	62	65	71	67	67	75	69	70	77	68
	1891-95	82	62	63	61	57	54	59	69	61	60	72	66	66	66	63
	1881-95	**85**	**66**	**64**	**63**	**60**	**58**	**62**	**71**	**65**	**66**	**75**	**70**	**69**	**72**	**66**
19	1881-85	88	70	68	66	64	63	66	79	71	74	84	78	77	77	72
	1886-90	93	74	69	68	64	65	68	75	71	70	79	72	73	79	71
	1891-95	86	65	65	63	59	55	61	71	63	62	75	68	68	67	65
	1881-95	**89**	**69**	**67**	**66**	**62**	**61**	**65**	**75**	**68**	**68**	**79**	**73**	**73**	**75**	**69**
20	1881-85	92	74	70	68	67	65	69	82	74	76	88	82	80	80	75
	1886-90	98	79	73	72	68	69	72	80	75	74	84	77	78	84	75
	1891-95	90	69	70	67	63	58	65	76	67	66	80	73	72	71	69
	1881-95	**93**	**74**	**71**	**69**	**66**	**64**	**69**	**79**	**72**	**72**	**84**	**77**	**77**	**78**	**73**

TABLE I.—SHOWING FOR EACH DISTRICT DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
21	1881–85	96	77	73	71	70	68	72	86	77	80	92	85	84	83	78
	1886–90	100	81	76	75	71	72	75	82	77	77	86	80	80	88	78
	1891–95	96	74	73	70	66	61	69	79	71	69	84	76	76	75	73
	1881–95	**97**	**77**	**74**	**72**	**69**	**67**	**72**	**82**	**75**	**75**	**87**	**81**	**80**	**82**	**76**
22	1881–85	100	79	75	72	72	70	74	89	79	83	95	89	87	87	81
	1886–90	105	85	79	78	74	75	78	86	80	81	90	85	84	92	81
	1891–95	99	77	77	74	70	64	72	83	75	72	88	80	80	79	76
	1881–95	**101**	**81**	**77**	**75**	**72**	**70**	**75**	**86**	**78**	**79**	**91**	**85**	**84**	**86**	**80**
23	1881–85	101	82	78	76	76	74	77	92	82	87	99	93	91	91	84
	1886–90	110	88	82	81	77	77	81	90	84	84	93	88	88	96	85
	1891–95	101	79	79	76	72	66	74	85	77	74	90	82	82	80	78
	1881–95	**105**	**83**	**80**	**77**	**75**	**73**	**78**	**89**	**81**	**82**	**94**	**88**	**87**	**89**	**83**
24	1881–85	108	86	81	78	79	76	80	96	85	90	101	97	94	94	87
	1886–90	113	91	84	84	79	80	84	93	87	87	97	91	91	98	88
	1891–95	105	83	82	79	74	69	77	87	79	76	93	84	84	82	81
	1881–95	**109**	**86**	**82**	**80**	**78**	**75**	**80**	**92**	**84**	**84**	**98**	**91**	**90**	**91**	**85**
25	1881–85	113	90	85	82	83	80	84	100	89	95	108	101	99	99	92
	1886–90	116	93	86	86	81	82	86	95	88	89	98	93	93	100	90
	1891–95	109	87	86	82	78	72	81	91	83	80	98	87	88	86	85
	1881–95	**113**	**90**	**85**	**83**	**81**	**78**	**83**	**95**	**87**	**88**	**101**	**94**	**93**	**95**	**88**
26	1881–85	117	93	88	83	86	81	86	104	92	97	113	104	102	101	94
	1886–90	120	95	88	88	84	84	88	98	91	91	102	96	96	102	92
	1891–95	112	90	89	84	80	75	84	94	87	83	101	91	91	88	88
	1881–95	**116**	**93**	**88**	**85**	**83**	**80**	**86**	**99**	**90**	**90**	**105**	**97**	**96**	**97**	**91**
27	1881–85	121	97	91	86	89	85	90	109	97	102	118	108	107	106	99
	1886–90	124	99	91	91	86	87	91	101	94	94	105	98	98	105	95
	1891–95	117	94	92	87	84	77	87	98	90	86	106	91	94	91	91
	1881–95	**120**	**97**	**91**	**88**	**87**	**83**	**89**	**103**	**93**	**94**	**110**	**100**	**100**	**101**	**95**
28	1881–85	126	102	95	90	93	88	94	114	101	106	123	114	112	110	103
	1886–90	129	104	95	96	91	91	95	105	97	98	110	102	102	109	99
	1891–95	121	98	95	91	87	81	90	101	93	90	110	99	99	95	95
	1881–95	**125**	**101**	**95**	**92**	**91**	**87**	**93**	**107**	**97**	**98**	**114**	**105**	**104**	**105**	**99**
29	1881–85	131	107	100	94	98	92	98	119	106	112	129	119	117	115	108
	1886–90	133	108	98	100	95	95	99	109	102	103	115	106	107	113	103
	1891–95	127	102	99	95	91	85	94	106	98	95	115	103	103	99	99
	1881–95	**130**	**106**	**99**	**96**	**95**	**91**	**97**	**111**	**102**	**103**	**120**	**109**	**109**	**109**	**103**
30	1881–85	135	110	103	98	101	95	101	123	109	115	133	122	120	118	111
	1886–90	138	112	103	104	99	99	103	114	106	107	120	112	112	118	108
	1891–95	130	105	103	99	95	89	98	108	102	99	119	107	107	103	103
	1881–95	**135**	**109**	**103**	**100**	**98**	**94**	**101**	**115**	**106**	**107**	**124**	**113**	**113**	**113**	**107**
31	1881–85	139	112	105	99	103	97	103	126	111	117	137	125	123	120	113
	1886–90	143	116	106	107	102	102	107	118	110	111	125	115	116	120	112
	1891–95	136	110	107	103	99	93	102	113	106	102	124	111	111	107	107
	1881–95	**139**	**113**	**106**	**103**	**101**	**97**	**104**	**119**	**109**	**110**	**128**	**117**	**117**	**116**	**111**

TABLE I.—SHOWING FOR EACH DISTRICT DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Numbers of Days with Rain.														
32	1881-85	143	117	108	102	106	99	106	129	116	120	141	129	127	124	117
	1886-90	148	120	109	110	105	104	110	121	113	114	128	118	119	123	5
	1891-95	141	115	112	108	104	97	107	118	111	107	129	116	116	111	112
	1881-95	**144**	**117**	**110**	**107**	**105**	**100**	**108**	**123**	**113**	**114**	**133**	**121**	**121**	**119**	**115**
33	1881-85	147	121	111	105	109	103	110	134	119	124	146	132	131	128	121
	1886-90	153	125	113	114	109	107	114	126	117	118	133	123	123	128	119
	1891-95	146	119	116	111	107	100	111	123	115	111	135	121	121	115	116
	1881-95	**149**	**122**	**113**	**110**	**108**	**103**	**111**	**127**	**117**	**118**	**138**	**125**	**125**	**123**	**118**
34	1881-85	151	124	115	109	112	106	113	138	122	127	150	136	135	131	124
	1886-90	158	129	117	118	112	111	117	131	121	122	139	128	128	132	123
	1891-95	151	124	120	115	111	105	115	127	119	115	140	126	125	120	120
	1881-95	**153**	**126**	**117**	**114**	**112**	**107**	**115**	**132**	**121**	**122**	**143**	**130**	**130**	**128**	**123**
35	1881-85	155	128	119	113	116	110	117	141	126	132	155	140	139	137	128
	1886-90	163	134	121	122	116	115	122	136	126	126	145	133	133	137	128
	1891-95	157	128	124	118	114	108	118	131	123	119	145	129	129	123	124
	1881-95	**158**	**130**	**121**	**118**	**115**	**111**	**119**	**136**	**125**	**126**	**148**	**134**	**134**	**132**	**127**
36	1881-85	159	132	123	118	120	115	122	145	130	137	160	144	143	141	133
	1886-90	168	137	125	125	119	118	125	140	130	130	149	137	137	140	131
	1891-95	162	131	127	121	117	111	121	135	127	122	149	133	133	126	127
	1881-95	**163**	**133**	**125**	**121**	**119**	**114**	**122**	**140**	**129**	**129**	**153**	**138**	**138**	**136**	**130**
37	1881-85	163	136	126	121	123	117	125	149	133	140	163	148	147	145	136
	1886-90	172	140	128	127	121	119	127	143	132	132	152	139	140	141	134
	1891-95	168	134	129	122	119	113	123	139	129	124	153	135	136	128	130
	1881-95	**167**	**137**	**127**	**123**	**121**	**116**	**125**	**143**	**132**	**132**	**156**	**141**	**141**	**138**	**133**
38	1881-85	168	140	129	124	127	121	128	153	137	144	167	152	151	150	140
	1886-90	175	142	130	130	123	121	129	145	134	134	155	142	142	144	136
	1891-95	172	138	132	126	122	116	127	142	133	128	157	138	140	132	134
	1881-95	**171**	**140**	**131**	**126**	**124**	**120**	**128**	**147**	**135**	**135**	**160**	**144**	**144**	**142**	**136**
39	1881-85	173	144	134	128	131	125	132	158	142	149	172	15	156	157	144
	1886-90	180	146	134	133	126	125	133	149	138	138	159	14	146	148	140
	1891-95	177	143	136	129	125	120	131	147	137	132	161	14	144	136	138
	1881-95	**176**	**144**	**134**	**130**	**128**	**123**	**132**	**151**	**139**	**139**	**164**	**148**	**148**	**147**	**140**
40	1881-85	178	149	137	137	135	130	138	162	146	153	177	160	160	160	149
	1886-90	186	150	138	136	130	128	136	153	143	143	164	149	150	153	143
	1891-95	182	147	140	134	130	125	135	152	142	137	166	146	149	141	142
	1881-95	**182**	**149**	**138**	**136**	**132**	**128**	**137**	**156**	**143**	**144**	**169**	**152**	**153**	**151**	**145**
41	1881-85	183	154	142	137	140	134	141	167	150	158	182	165	164	165	153
	1886-90	191	154	141	140	132	131	140	157	146	147	168	152	154	157	147
	1891-95	187	152	145	139	135	130	140	156	147	141	171	150	153	146	147
	1881-95	**187**	**153**	**143**	**139**	**136**	**132**	**141**	**160**	**148**	**149**	**174**	**156**	**157**	**156**	**149**
42	1881-85	188	158	147	142	144	138	146	171	155	163	187	170	169	171	158
	1886-90	197	157	145	143	136	134	143	160	150	150	172	156	158	161	151
	1891-95	192	156	149	143	138	133	144	160	151	145	175	154	157	150	151
	1881-95	**192**	**157**	**147**	**143**	**140**	**135**	**144**	**164**	**152**	**153**	**178**	**160**	**161**	**161**	**153**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881-95, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.							
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Numbers of Days with Rain.														
43	1881-85	122	161	151	146	149	141	150	174	158	167	191	174	173	176	162
	1886-90	202	163	149	147	140	139	148	164	154	155	176	160	162	167	155
	1891-95	197	159	153	148	142	137	148	164	155	149	179	157	161	155	155
	1881-95	**197**	**161**	**151**	**147**	**144**	**139**	**148**	**167**	**156**	**157**	**182**	**164**	**165**	**166**	**157**
44	1881-85	198	166	155	151	153	146	154	180	163	173	197	189	179	181	167
	1886-90	207	168	154	152	146	144	153	170	160	162	183	166	168	173	161
	1891-95	202	163	157	152	146	141	151	168	159	154	184	161	164	160	158
	1881-95	**202**	**166**	**155**	**152**	**148**	**144**	**153**	**173**	**161**	**163**	**188**	**169**	**171**	**171**	**162**
45	1881-85	203	170	158	155	157	149	158	184	167	178	201	185	183	187	171
	1886-90	212	172	158	156	150	149	157	174	165	167	187	171	173	179	165
	1891-95	207	168	162	157	151	146	157	173	164	159	189	167	170	165	164
	1881-95	**208**	**170**	**159**	**156**	**152**	**148**	**157**	**177**	**165**	**168**	**192**	**174**	**175**	**177**	**166**
46	1881-85	208	174	162	159	161	153	162	188	171	182	206	189	187	191	175
	1886-90	218	177	162	160	154	153	161	179	170	172	192	176	178	185	170
	1891-95	213	173	167	162	156	152	162	178	169	164	194	172	174	171	168
	1881-95	**213**	**175**	**164**	**160**	**157**	**153**	**162**	**182**	**170**	**173**	**197**	**179**	**180**	**182**	**171**
47	1881-85	213	179	167	164	166	157	167	193	176	187	211	194	192	197	180
	1886-90	223	182	166	164	157	157	165	184	175	177	198	180	183	190	174
	1891-95	217	177	172	165	159	155	166	182	173	169	199	177	180	176	173
	1881-95	**218**	**179**	**168**	**164**	**161**	**156**	**166**	**186**	**175**	**177**	**203**	**184**	**185**	**188**	**176**
48	1881-85	219	183	173	169	171	162	172	198	181	193	217	200	198	203	185
	1886-90	228	185	170	167	161	160	169	188	179	181	202	185	187	195	178
	1891-95	222	180	175	169	163	159	169	187	177	173	204	181	184	181	177
	1881-95	**223**	**183**	**173**	**169**	**165**	**160**	**170**	**191**	**179**	**182**	**208**	**188**	**190**	**193**	**180**
49	1881-85	225	188	177	174	175	166	176	202	185	198	222	204	202	209	189
	1886-90	233	190	174	171	165	164	173	193	183	183	207	190	192	200	183
	1891-95	228	185	179	173	168	163	174	192	183	178	210	185	190	187	182
	1881-95	**229**	**187**	**177**	**173**	**169**	**165**	**174**	**196**	**184**	**187**	**213**	**193**	**195**	**199**	**185**
50	1881-85	231	192	182	179	179	171	181	207	190	203	227	208	207	214	194
	1886-90	239	193	177	174	169	168	176	197	187	190	212	194	196	205	186
	1891-95	235	189	183	177	172	168	178	198	188	183	216	191	195	192	187
	1881-95	**235**	**191**	**180**	**177**	**173**	**169**	**178**	**201**	**188**	**192**	**218**	**198**	**199**	**204**	**189**
51	1881-85	236	195	185	183	183	174	184	212	194	207	232	213	212	219	198
	1886-90	244	198	181	179	172	172	180	201	192	195	218	199	201	211	191
	1891-95	239	193	187	180	175	170	181	205	192	187	221	195	200	196	191
	1881-95	**240**	**195**	**184**	**181**	**177**	**172**	**182**	**205**	**193**	**196**	**223**	**202**	**204**	**209**	**193**
52	1881-85	241	198	188	187	186	177	187	216	198	211	236	217	216	222	202
	1886-90	249	201	186	183	175	176	184	205	196	199	222	203	205	215	195
	1891-95	244	196	190	184	178	174	184	206	195	191	225	200	203	200	194
	1881-95	**245**	**199**	**188**	**184**	**180**	**176**	**185**	**209**	**196**	**200**	**228**	**206**	**208**	**213**	**197**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE AMOUNTS OF RAINFALL, FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
1	1881–85	0·67	0·36	0·33	0·31	0·36	0·29	0·33	1·11	0·61	0·54	0·69	0·86	0·76	0·45	0·55
	1886–90	1·05	0·62	0·31	0·35	0·37	0·41	0·41	1·52	0·74	0·70	0·95	1·24	1·03	0·60	0·72
	1891–95	0·62	0·35	0·44	0·46	0·23	0·18	0·33	0·35	0·33	0·36	0·53	0·70	0·46	0·59	0·40
	1881–95	**0·78**	**0·51**	**0·36**	**0·37**	**0·32**	**0·29**	**0·37**	**0·99**	**0·56**	**0·53**	**0·73**	**0·93**	**0·75**	**0·55**	**0·56**
2	1881–85	1·47	0·72	0·67	0·72	0·71	0·65	0·69	1·87	1·18	1·18	1·26	1·56	1·41	1·04	1·05
	1886–90	1·93	1·22	0·75	0·74	0·77	0·92	0·88	2·45	1·27	1·33	1·70	2·00	1·75	1·18	1·32
	1891–95	1·26	0·72	0·89	0·74	0·53	0·65	0·71	0·85	0·61	1·07	1·08	1·72	1·07	1·39	0·89
	1881–95	**1·55**	**0·89**	**0·77**	**0·74**	**0·67**	**0·74**	**0·76**	**1·72**	**1·02**	**1·19**	**1·35**	**1·76**	**1·41**	**1·21**	**1·09**
3	1881–85	2·13	1·09	0·82	0·87	0·84	0·87	0·90	2·43	1·38	1·35	1·53	1·89	1·72	1·25	1·31
	1886–90	3·3	1·74	0·95	1·03	1·17	1·37	1·25	3·71	1·90	2·07	2·65	2·90	2·65	1·77	1·95
	1891–95	2·73	1·70	1·50	1·30	1·32	1·44	1·45	2·09	1·59	2·14	1·91	2·62	2·07	2·22	1·76
	1881–95	**2·73**	**1·51**	**1·09**	**1·07**	**1·11**	**1·23**	**1·20**	**2·74**	**1·62**	**1·86**	**2·03**	**2·47**	**2·14**	**1·75**	**1·67**
4	1881–85	3·12	1·71	1·34	1·44	1·77	1·63	1·58	3·77	2·70	2·60	2·89	3·37	3·07	2·34	2·33
	1886–90	4·19	2·45	1·50	1·35	1·66	1·73	1·74	4·82	2·56	2·98	3·34	3·78	3·50	2·40	2·62
	1891–95	4·93	2·21	1·77	1·83	1·90	2·05	1·95	3·47	2·22	3·03	2·78	3·33	2·97	2·93	2·46
	1881–95	**4·28**	**2·12**	**1·54**	**1·54**	**1·78**	**1·80**	**1·76**	**4·02**	**2·50**	**2·88**	**3·00**	**3·50**	**3·18**	**2·56**	**2·47**
5	1881–85	4·16	2·42	1·95	1·94	2·65	2·44	2·28	5·11	3·70	3·92	3·77	4·60	4·22	3·29	3·25
	1886–90	6·19	2·97	1·87	1·79	2·24	2·30	2·23	5·98	3·31	3·87	4·24	4·68	4·42	3·99	3·33
	1891–95	6·45	2·75	2·13	2·14	2·27	2·45	2·35	4·47	2·91	3·76	3·51	4·11	3·75	3·48	3·05
	1881–95	**5·60**	**2·71**	**1·98**	**1·95**	**2·39**	**2·40**	**2·29**	**5·18**	**3·30**	**3·85**	**3·84**	**4·47**	**4·13**	**3·29**	**3·21**
6	1881–85	4·99	3·20	2·65	2·65	3·64	3·45	3·12	6·82	4·80	5·27	4·85	6·30	5·61	4·30	4·37
	1886–90	6·73	3·19	2·02	2·08	2·57	2·69	2·51	6·40	3·65	4·25	4·77	5·16	4·85	3·55	3·68
	1891–95	8·20	3·36	2·39	2·31	2·47	2·66	2·64	5·66	3·51	4·21	4·38	4·64	4·48	3·70	3·56
	1881–95	**6·64**	**3·25**	**2·35**	**2·35**	**2·89**	**2·93**	**2·75**	**6·29**	**3·99**	**4·57**	**4·67**	**5·36**	**4·98**	**3·85**	**3·87**
7	1881–85	5·73	3·64	2·88	3·23	4·24	4·09	3·62	8·03	5·37	6·14	5·65	7·06	6·45	5·02	5·04
	1886–90	7·81	3·67	2·87	2·52	2·89	3·17	2·92	7·18	4·06	4·82	5·26	5·82	5·43	4·22	4·18
	1891–95	8·98	4·15	3·05	2·64	3·07	3·08	3·20	6·68	4·12	5·01	4·96	5·43	5·24	4·46	4·22
	1881–95	**7·50**	**3·82**	**2·77**	**2·80**	**3·40**	**3·45**	**3·25**	**7·30**	**4·51**	**5·33**	**5·29**	**6·11**	**5·71**	**4·57**	**4·48**
8	1881–85	6·41	4·03	3·19	3·50	4·63	4·47	3·96	8·95	6·08	6·76	6·33	8·35	7·29	5·67	5·63
	1886–90	8·48	3·99	2·61	2·62	3·00	3·29	3·10	7·68	4·33	5·06	5·68	6·36	5·82	4·53	4·46
	1891–95	9·54	4·52	3·31	2·97	3·40	3·45	3·53	7·13	4·38	5·56	5·22	6·01	5·66	4·91	4·60
	1881–95	**8·14**	**4·18**	**3·04**	**3·03**	**3·68**	**3·74**	**3·53**	**7·92**	**4·93**	**5·79**	**5·74**	**6·91**	**6·26**	**5·04**	**4·90**
9	1881–85	6·93	4·49	3·82	4·08	5·39	5·29	4·61	9·76	6·79	7·94	7·24	9·54	8·25	6·56	6·43
	1886–90	8·73	4·21	2·96	2·81	3·15	3·44	3·31	7·76	4·48	5·37	5·85	6·67	6·03	4·80	4·67
	1891–95	10·76	5·13	3·84	3·43	3·73	3·93	4·01	8·22	5·01	6·00	5·90	6·48	6·34	5·36	5·18
	1881–95	**8·81**	**4·61**	**3·54**	**3·44**	**4·09**	**4·22**	**3·98**	**8·58**	**5·43**	**6·47**	**6·33**	**7·56**	**6·87**	**5·57**	**5·43**
10	1881–85	7·65	5·07	4·51	4·56	5·74	5·59	5·09	10·58	7·59	8·42	7·80	10·17	8·91	6·94	7·00
	1886–90	9·75	4·82	3·55	3·31	3·83	4·04	3·91	8·72	5·05	6·31	6·41	7·35	6·77	5·62	5·34
	1891–95	11·87	5·61	4·27	3·70	4·01	4·38	4·39	8·94	5·46	6·71	6·47	7·05	6·93	6·13	5·66
	1881–95	**9·76**	**5·17**	**4·11**	**3·86**	**4·53**	**4·74**	**4·48**	**9·41**	**6·04**	**7·15**	**6·90**	**8·19**	**7·54**	**6·23**	**6·01**
11	1881–85	8·27	5·49	4·72	4·67	5·70	5·82	5·28	11·06	7·89	8·64	8·14	10·66	9·28	7·24	7·28
	1886–90	10·44	5·10	3·55	3·49	4·01	4·32	4·16	9·16	5·31	6·61	6·82	7·93	7·17	5·88	5·67
	1891–95	12·71	6·12	4·64	3·98	4·35	4·75	4·77	9·53	5·89	7·29	6·91	7·56	7·14	6·58	6·11
	1881–95	**10·47**	**5·57**	**4·41**	**4·05**	**4·70**	**4·96**	**4·74**	**9·92**	**6·36**	**7·52**	**7·29**	**8·72**	**7·96**	**6·57**	**6·35**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881-95, THE MEAN AGGREGATE AMOUNTS OF RAINFALL, FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
12	1881-85	9·20	5·82	4·96	5·05	6·22	6·24	5·66	11·76	8·44	9·12	8·74	11·14	9·84	7·76	7·75
	1886-90	11·56	5·80	4·60	4·27	4·67	4·95	4·86	10·12	6·19	7·57	7·58	8·66	8·02	6·57	6·44
	1891-95	13·46	6·33	4·81	4·22	4·48	4·96	4·96	10·07	6·25	7·57	7·28	7·90	7·81	6·70	6·39
	1881-95	**11·41**	**5·98**	**4·79**	**4·51**	**5·13**	**5·38**	**5·16**	**10·65**	**6·96**	**8·08**	**7·87**	**9·24**	**8·56**	**7·01**	**6·86**
13	1881-85	9·92	6·17	5·16	5·13	6·42	6·38	5·85	12·51	8·81	9·71	9·36	11·88	10·45	8·19	8·15
	1886-90	12·15	6·21	5·17	4·65	5·16	5·41	5·32	10·81	6·86	8·27	8·37	9·54	8·77	7·09	7·05
	1891-95	13·91	6·77	5·11	4·53	4·87	5·26	5·31	10·50	6·75	8·10	7·84	8·44	8·33	7·08	6·82
	1881-95	**11·99**	**6·38**	**5·15**	**4·77**	**5·48**	**5·68**	**5·49**	**11·27**	**7·47**	**8·69**	**8·52**	**9·96**	**9·18**	**7·45**	**7·34**
14	1881-85	10·23	6·40	5·44	5·33	6·86	6·71	6·15	12·87	9·24	10·30	9·91	12·60	10·98	8·59	8·57
	1886-90	12·50	6·61	5·54	4·86	5·76	5·74	5·70	11·39	7·39	8·63	8·82	9·95	9·24	7·36	7·47
	1891-95	14·30	6·93	5·34	4·72	5·04	5·36	5·48	10·73	6·96	8·23	8·01	8·65	8·52	7·22	7·00
	1881-95	**12·34**	**6·65**	**5·44**	**4·97**	**5·89**	**5·93**	**5·78**	**11·67**	**7·86**	**9·05**	**8·92**	**10·40**	**9·58**	**7·72**	**7·68**
15	1881-85	10·52	6·91	6·04	5·75	7·21	6·96	6·57	13·32	9·75	10·70	10·25	12·95	11·39	8·91	8·98
	1886-90	13·25	6·90	5·86	5·30	6·21	6·14	6·08	12·06	7·93	9·16	9·28	10·40	9·77	7·75	7·93
	1891-95	14·79	7·17	5·49	4·99	5·23	5·49	5·67	11·09	7·12	8·41	8·43	9·23	8·86	7·52	7·27
	1881-95	**12·85**	**6·99**	**5·80**	**5·35**	**6·22**	**6·20**	**6·11**	**12·16**	**8·27**	**9·43**	**9·32**	**10·86**	**10·01**	**8·06**	**8·06**
16	1881-85	11·00	7·21	6·41	6·11	7·61	7·36	6·94	13·90	10·17	11·18	10·63	13·41	11·86	9·23	9·40
	1886-90	13·86	7·38	6·32	5·67	6·62	6·70	6·54	12·77	8·29	9·63	9·87	10·87	10·29	8·39	8·42
	1891-95	15·09	7·41	5·67	5·18	5·49	5·70	5·89	11·47	7·48	8·80	8·82	9·67	9·25	7·93	7·57
	1881-95	**13·32**	**7·34**	**6·13**	**5·66**	**6·58**	**6·59**	**6·46**	**12·71**	**8·65**	**9·87**	**9·77**	**11·32**	**10·46**	**8·52**	**8·46**
17	1881-85	11·37	7·67	7·07	6·90	8·30	8·08	7·60	14·69	10·89	12·05	11·32	14·64	12·72	9·93	10·16
	1886-90	14·61	7·79	6·58	6·04	7·01	7·29	6·94	13·46	8·71	10·43	10·35	11·57	10·90	8·98	8·92
	1891-95	15·78	7·96	6·17	5·69	6·09	6·28	6·44	12·20	8·11	9·63	9·49	10·41	9·97	8·54	8·21
	1881-95	**13·92**	**7·81**	**6·61**	**6·21**	**7·14**	**7·22**	**7·00**	**13·45**	**9·24**	**10·70**	**10·39**	**12·21**	**11·20**	**9·15**	**9·10**
18	1881-85	11·95	8·18	7·75	7·44	8·80	8·49	8·13	15·48	11·54	12·54	12·04	15·07	13·33	10·38	10·73
	1886-90	15·20	8·12	6·75	6·32	7·32	7·56	7·21	14·09	9·04	10·84	11·00	12·45	11·48	9·38	9·35
	1891-95	16·16	8·20	6·42	5·90	6·38	6·38	6·66	12·56	8·42	9·90	9·83	10·86	10·31	8·80	8·49
	1881-95	**14·44**	**8·17**	**6·97**	**6·56**	**7·50**	**7·48**	**7·34**	**14·04**	**9·67**	**11·09**	**10·96**	**12·79**	**11·71**	**9·52**	**9·53**
19	1881-85	12·85	8·69	8·13	7·78	9·07	8·92	8·52	16·18	12·04	13·09	12·61	15·72	13·93	10·62	11·23
	1886-90	15·44	8·43	7·22	6·90	7·81	7·86	7·64	14·68	9·56	11·13	11·37	12·97	11·94	9·60	9·79
	1891-95	16·75	8·44	6·64	6·12	6·61	6·53	6·87	13·06	8·76	10·14	10·27	11·18	10·68	8·96	8·78
	1881-95	**15·01**	**8·52**	**7·33**	**6·93**	**7·83**	**7·77**	**7·68**	**14·64**	**10·12**	**11·45**	**11·42**	**13·29**	**12·18**	**9·73**	**9·93**
20	1881-85	13·50	9·12	8·29	8·00	9·30	9·10	8·76	16·71	12·40	13·29	13·15	16·07	14·32	10·83	11·54
	1886-90	16·12	9·16	7·85	7·53	8·84	8·61	8·40	15·96	10·53	12·11	12·32	13·94	12·97	10·13	10·69
	1891-95	17·47	9·03	7·12	6·66	7·31	6·96	7·42	13·93	9·56	10·88	11·01	11·99	11·47	9·62	9·45
	1881-95	**15·70**	**9·10**	**7·75**	**7·40**	**8·48**	**8·22**	**8·19**	**15·53**	**10·83**	**12·09**	**12·16**	**14·00**	**12·92**	**10·19**	**10·56**
21	1881-85	13·79	9·48	8·76	8·59	9·94	9·76	9·31	17·44	12·99	14·02	13·70	16·82	14·99	11·43	12·15
	1886-90	16·38	9·56	8·28	8·04	9·46	9·22	8·91	16·22	10·82	12·50	12·58	14·37	13·30	10·76	11·11
	1891-95	18·16	9·70	7·74	7·22	7·75	7·35	7·95	14·62	10·02	11·27	11·69	12·66	12·05	10·05	10·00
	1881-95	**16·11**	**9·58**	**8·26**	**7·95**	**9·05**	**8·78**	**8·72**	**16·09**	**11·28**	**12·60**	**12·65**	**14·62**	**13·45**	**10·75**	**11·09**
22	1881-85	14·25	9·68	9·03	8·92	10·35	10·09	9·61	17·91	13·44	14·55	14·15	17·35	15·48	12·05	12·55
	1886-90	17·11	10·51	8·80	8·35	10·22	9·73	9·52	17·25	11·77	13·06	13·27	15·17	14·10	11·45	11·81
	1891-95	18·65	10·17	8·40	7·74	8·35	7·75	8·48	15·15	10·69	11·96	12·31	13·63	12·75	10·78	10·62
	1881-95	**17·34**	**10.12**	**8·74**	**8·34**	**9·64**	**9·19**	**9·21**	**16·77**	**11·96**	**13·19**	**13·24**	**15·38**	**14·11**	**11·43**	**11·66**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE AMOUNTS OF RAINFALL, FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
23	1881–85	14·71	9·98	9·49	9·62	11·21	10·93	10·25	18·35	13·93	15·15	14·71	17·89	16·01	12·58	13·13
	1886–90	17·98	10·97	9·19	8·85	10·66	10·11	9·96	18·17	12·15	13·57	14·07	16·03	14·80	11·99	12·38
	1891–95	18·87	10·49	8·92	8·09	8·71	8·03	8·85	15·56	11·02	12·26	12·82	13·94	13·12	11·03	10·99
	1881–95	**17·19**	**10·48**	**9·20**	**8·86**	**10·19**	**9·69**	**9·68**	**17·36**	**12·37**	**13·66**	**13·87**	**15·95**	**14·64**	**11·87**	**12·16**
24	1881–85	15·30	10·42	9·85	10·16	11·63	11·20	10·65	18·98	14·41	15·62	15·36	18·53	16·58	12·78	13·62
	1886–90	18·32	11·36	9·47	9·12	10·94	10·46	10·27	18·79	12·52	13·99	14·64	16·42	15·27	12·30	12·77
	1891–95	19·50	10·85	9·27	8·41	8·89	8·22	9·13	15·88	11·26	12·45	13·10	14·17	13·37	11·10	11·25
	1881–95	**17·71**	**10·88**	**9·53**	**9·23**	**10·48**	**9·96**	**10·02**	**17·88**	**12·73**	**14·02**	**14·37**	**16·38**	**15·08**	**12·06**	**12·55**
25	1881–85	16·04	10·95	10·45	10·82	12·32	11·68	11·24	19·77	15·25	16·33	15·99	19·18	17·30	13·39	14·27
	1886–90	18·61	11·46	9·61	9·33	11·16	10·67	10·45	19·01	12·68	14·19	14·77	16·56	15·44	12·67	12·95
	1891–95	20·35	11·73	9·73	8·94	9·38	8·77	9·71	16·61	11·90	12·87	13·62	14·68	13·94	11·40	11·83
	1881–95	**18·33**	**11·38**	**9·93**	**9·70**	**10·95**	**10·38**	**10·47**	**18·46**	**13·28**	**14·47**	**14·79**	**16·81**	**15·56**	**12·49**	**13·02**
26	1881–85	16·57	11·36	10·98	10·98	12·91	11·96	11·64	20·54	15·81	16·92	16·56	19·61	17·89	13·78	14·77
	1886–90	19·08	11·92	9·92	9·79	11·59	11·09	10·86	19·55	13·32	14·70	15·51	17·06	16·03	13·01	13·45
	1891–95	21·00	12·25	10·33	9·31	9·94	9·03	10·17	17·17	12·68	13·43	14·43	15·54	14·65	11·74	12·41
	1881–95	**18·88**	**11·84**	**10·41**	**10·03**	**11·48**	**10·69**	**10·89**	**19·09**	**13·94**	**15·02**	**15·50**	**17·40**	**16·19**	**12·84**	**13·54**
27	1881–85	17·27	12·35	11·61	11·45	13·44	12·33	12·24	21·60	16·74	17·57	17·38	20·51	18·76	14·49	15·50
	1886–90	19·70	12·36	10·40	10·26	11·91	11·73	11·33	20·06	13·71	15·31	15·90	17·47	16·49	13·72	13·91
	1891–95	22·09	13·16	11·07	9·85	10·53	9·53	10·83	18·24	13·39	14·17	15·25	16·41	15·49	12·29	13·16
	1881–95	**19·68**	**12·63**	**11·02**	**10·52**	**11·96**	**11·20**	**11·47**	**19·97**	**14·61**	**15·68**	**16·18**	**18·13**	**16·91**	**13·50**	**14·19**
28	1881–85	17·89	12·91	12·17	12·10	14·06	12·93	12·83	22·84	17·59	18·36	18·33	21·46	19·72	15·15	16·28
	1886–90	20·45	13·25	11·03	11·29	12·76	12·36	12·14	21·06	14·43	16·22	16·56	17·97	17·25	14·32	14·70
	1891–95	22·98	13·75	11·50	10·65	11·20	10·35	11·49	18·71	13·96	15·10	16·02	17·33	16·22	13·09	13·86
	1881–95	**20·44**	**13·30**	**11·57**	**11·34**	**12·67**	**11·88**	**12·15**	**20·87**	**15·33**	**16·56**	**16·97**	**18·92**	**17·73**	**14·19**	**14·94**
29	1881–85	18·60	13·97	12·89	12·62	14·60	13·26	13·47	23·61	18·47	19·22	19·19	22·24	20·55	15·82	17·01
	1886–90	21·33	14·07	11·74	12·12	13·46	13·16	12·91	22·07	15·10	17·16	17·51	18·77	18·12	15·23	15·52
	1891–95	24·14	14·60	12·30	11·46	11·82	11·05	12·25	19·61	14·90	16·01	16·89	17·86	17·05	13·66	14·65
	1881–95	**21·36**	**14·21**	**12·31**	**12·06**	**13·30**	**12·49**	**12·87**	**21·76**	**16·16**	**17·46**	**17·86**	**19·62**	**18·57**	**14·90**	**15·72**
30	1881–85	18·88	14·34	13·37	13·01	15·09	13·76	13·91	24·25	19·30	19·89	19·87	22·83	21·23	16·26	17·57
	1886–90	21·99	14·67	12·84	13·00	14·22	13·97	13·74	23·02	16·36	18·13	18·54	19·84	19·18	16·02	16·46
	1891–95	24·78	15·12	13·07	12·28	12·55	11·95	12·99	20·22	15·70	16·97	17·50	18·56	17·79	14·42	15·39
	1881–95	**21·88**	**14·71**	**13·09**	**12·76**	**13·95**	**13·22**	**13·55**	**22·50**	**17·12**	**18·33**	**18·64**	**20·41**	**19·40**	**15·57**	**16·48**
31	1881–85	19·43	14·52	13·55	13·23	15·32	13·92	14·11	24·57	19·55	20·06	20·10	23·23	21·50	16·36	17·81
	1886–90	22·84	15·21	13·30	13·48	14·64	14·39	14·20	23·78	17·10	18·79	19·48	20·47	19·92	16·54	17·06
	1891–95	25·77	15·89	13·68	12·93	13·13	12·59	13·64	21·09	16·65	17·70	18·26	19·43	18·63	15·10	16·14
	1881–95	**22·68**	**15·21**	**13·51**	**13·21**	**14·36**	**13·64**	**13·99**	**23·15**	**17·77**	**18·85**	**19·28**	**21·04**	**20·02**	**16·00**	**17·01**
32	1881–85	20·16	15·21	14·14	13·64	15·91	14·25	14·63	25·82	20·39	20·69	21·03	24·57	22·50	16·82	18·57
	1886–90	23·51	15·69	13·75	13·88	15·08	14·72	14·62	24·32	17·54	19·30	20·07	20·87	20·42	16·89	17·52
	1891–95	26·88	16·67	14·55	13·59	13·71	13·10	14·32	22·46	17·82	18·54	19·46	20·61	19·78	15·92	17·05
	1881–95	**23·52**	**15·86**	**14·14**	**13·70**	**14·90**	**14·02**	**14·52**	**24·20**	**18·58**	**19·51**	**20·19**	**22·02**	**20·90**	**16·54**	**17·71**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE AMOUNTS OF RAINFALL, FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Amounts in Inches.														
33	1881-85	29·76	15·85	15·55	14·09	16·45	14·64	15·12	26·74	20·96	21·21	21·76	25·19	23·17	17·20	19·15
	1886-90	24·41	16·60	14·80	14·46	15·74	15·29	15·38	25·50	18·49	20·13	21·27	22·23	21·52	17·50	18·45
	1891-95	28·12	17·83	15·13	14·50	14·16	13·89	15·10	23·71	18·45	19·30	20·56	21·67	20·74	16·62	17·92
	1881-95	**24·43**	**16·76**	**14·82**	**14·35**	**15·45**	**14·61**	**15·20**	**25·32**	**19·30**	**20·21**	**21·20**	**23·03**	**21·81**	**17·10**	**18·51**
34	1881-85	21·09	16·49	15·49	14·83	17·10	15·17	15·82	27·74	21·98	21·87	22·52	25·80	23·97	17·71	19·90
	1886-90	25·54	17·11	15·36	15·01	16·23	15·81	15·90	26·32	19·33	20·79	22·13	23·33	22·38	18·09	19·14
	1891-95	29·11	18·59	15·59	15·29	14·97	14·78	15·84	24·71	19·57	20·55	21·78	23·19	21·96	17·52	18·90
	1881-95	**25·24**	**17·40**	**15·48**	**15·04**	**16·10**	**15·25**	**15·85**	**26·25**	**20·27**	**21·07**	**22·14**	**24·11**	**22·77**	**17·77**	**19·31**
35	1881-85	21·85	17·24	16·05	15·43	18·00	16·00	16·54	28·43	22·68	23·29	23·34	26·96	24·94	18·64	20·74
	1886-90	26·68	17·97	15·90	15·70	16·97	16·64	16·64	27·50	20·28	21·78	23·38	24·14	23·42	18·74	20·03
	1891-95	30·60	19·53	16·19	15·56	15·41	15·20	16·38	26·42	20·58	21·30	22·82	23·92	23·01	18·11	19·70
	1881-95	**26·37**	**18·25**	**16·05**	**15·57**	**16·79**	**15·95**	**16·52**	**27·45**	**21·18**	**22·12**	**23·18**	**25·00**	**23·79**	**18·50**	**20·16**
36	1881-85	22·52	17·62	16·55	16·43	18·61	16·85	17·21	29·16	23·31	24·22	24·29	27·59	25·71	19·22	21·46
	1886-90	27·31	18·29	16·49	16·02	17·37	17·00	17·03	28·44	20·81	22·28	23·98	24·49	24·00	19·01	20·52
	1891-95	31·30	19·80	16·64	15·91	15·74	15·66	16·75	26·88	21·31	21·82	23·23	24·58	23·56	18·57	20·16
	1881-95	**27·04**	**18·57**	**16·56**	**16·12**	**17·24**	**16·50**	**17·00**	**28·16**	**21·81**	**22·77**	**23·83**	**25·55**	**24·42**	**18·93**	**20·71**
37	1881-85	22·92	18·13	16·93	16·99	19·06	17·28	17·68	30·01	23·97	24·99	24·91	28·25	26·43	19·69	22·06
	1886-90	28·00	18·67	16·83	16·27	17·58	17·23	17·32	29·21	21·38	22·66	24·61	25·07	24·59	19·16	20·96
	1891-95	32·85	20·14	16·83	16·08	15·92	15·91	16·98	27·57	21·75	22·19	23·67	24·78	23·99	19·15	20·49
	1881-95	**27·92**	**18·98**	**16·86**	**16·45**	**17·52**	**16·81**	**17·32**	**28·93**	**22·37**	**23·28**	**24·40**	**26·03**	**25·00**	**19·33**	**21·16**
38	1881-85	23·58	18·72	17·73	17·64	19·78	18·04	18·38	31·20	24·83	25·93	25·88	29·10	27·39	20·60	22·89
	1886-90	28·48	18·91	17·01	16·55	17·96	17·55	17·60	29·78	21·91	23·20	25·13	25·64	25·13	15·43	21·37
	1891-95	34·19	21·14	17·19	16·42	16·34	16·31	17·48	28·42	22·44	22·81	24·16	25·36	24·64	19·77	21·06
	1881-95	**28·75**	**19·59**	**17·31**	**16·87**	**18·03**	**17·30**	**17·82**	**29·80**	**23·06**	**23·98**	**25·06**	**26·70**	**25·72**	**19·93**	**21·77**
39	1881-85	24·40	19·26	18·28	18·40	20·38	18·58	18·98	32·31	25·61	26·03	26·87	29·84	28·31	21·43	23·65
	1886-90	29·36	19·29	17·52	17·10	18·34	18·04	18·06	30·49	22·59	23·79	25·80	26·13	25·76	20·06	21·91
	1891-95	35·23	21·55	17·58	17·01	16·90	17·09	18·03	29·49	23·41	23·80	24·86	25·87	25·49	20·61	21·76
	1881-95	**29·66**	**20·03**	**17·79**	**17·50**	**18·54**	**17·90**	**18·35**	**30·77**	**23·87**	**24·84**	**25·85**	**27·28**	**26·52**	**20·70**	**22·44**
40	1881-85	25·51	19·62	18·69	18·83	20·73	19·15	19·40	33·35	26·18	27·52	27·55	30·37	28·99	21·99	24·20
	1886-90	31·34	20·31	18·17	17·45	18·74	18·52	18·64	31·72	23·67	24·57	26·90	26·77	26·73	20·66	22·69
	1891-95	36·74	22·63	18·24	17·92	17·86	18·40	19·01	30·97	24·69	25·51	25·95	26·82	26·79	21·92	22·90
	1881-95	**31·19**	**20·86**	**18·37**	**18·07**	**19·11**	**18·69**	**19·02**	**32·01**	**24·85**	**25·86**	**26·80**	**27·99**	**27·50**	**21·52**	**23·26**
41	1881-85	26·36	20·61	19·60	20·12	21·86	20·28	20·49	34·60	27·19	28·94	28·79	31·35	30·17	23·04	25·33
	1886-90	32·07	20·63	18·75	17·84	19·07	19·02	19·06	32·49	24·27	25·37	27·52	27·35	27·40	21·52	23·23
	1891-95	38·22	23·41	19·24	18·87	18·73	19·41	19·93	32·20	25·85	26·69	26·87	27·72	27·87	22·98	23·90
	1881-95	**32·22**	**21·55**	**19·20**	**18·94**	**19·89**	**19·57**	**19·83**	**33·09**	**25·77**	**27·00**	**27·73**	**28·80**	**28·48**	**22·51**	**24·16**
42	1881-85	27·23	20·97	20·32	20·90	22·64	21·06	21·18	35·50	28·21	30·11	29·55	32·48	31·17	24·29	26·18
	1886-90	33·03	21·21	19·34	18·56	19·69	19·70	19·70	33·23	25·00	26·45	28·48	28·38	28·31	22·46	24·01
	1891-95	38·94	23·96	20·22	19·63	19·27	20·16	20·65	33·04	26·64	27·65	27·58	28·54	28·69	23·76	24·67
	1881-95	**33·07**	**22·05**	**19·96**	**19·69**	**20·53**	**20·31**	**20·51**	**33·92**	**26·62**	**28·07**	**28·54**	**29·80**	**29·39**	**23·50**	**24·95**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–1895, THE MEAN AGGREGATE AMOUNTS OF RAINFALL, FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
43	1881-85	28·05	21·37	21·10	21·83	23·40	21·83	21·91	36·41	28·95	30·99	30·35	33·36	32·01	25·11	26·96
	1886-90	34·23	21·80	19·91	19·14	20·38	20·55	20·36	34·20	25·74	27·70	29·19	29·41	29·25	23·62	24·81
	1891-95	40·20	24·78	20·93	20·27	19·98	21·02	21·40	34·39	27·73	28·73	28·67	29·56	29·82	24·93	25·61
	1881-95	**34·16**	**22·65**	**20·65**	**20·41**	**21·25**	**21·13**	**21·22**	**35·00**	**27·47**	**29·14**	**29·40**	**30·78**	**30·36**	**24·55**	**25·79**
44	1881-85	29·13	21·89	21·60	22·62	24·41	22·52	22·61	38·16	30·22	32·34	31·65	34·70	33·41	25·93	28·01
	1886-90	35·64	22·94	20·81	20·02	21·24	21·69	21·34	35·70	26·88	29·14	30·45	30·52	30·54	24·91	25·94
	1891-95	41·15	25·35	21·28	20·88	20·45	22·01	21·99	35·47	28·39	29·75	29·35	30·38	30·67	25·77	26·33
	1881-95	**35·31**	**23·39**	**21·23**	**21·17**	**22·04**	**22·07**	**21·98**	**36·44**	**28·50**	**30·41**	**30·48**	**31·87**	**31·54**	**25·54**	**26·76**
45	1881-85	30·23	22·40	21·94	23·08	24·86	22·99	23·05	39·69	30·91	33·18	32·62	35·56	34·39	26·99	28·72
	1886-90	36·45	23·65	21·69	20·58	22·08	22·62	22·12	36·93	27·94	30·65	31·31	31·60	31·69	26·25	26·91
	1891-95	42·52	26·11	21·95	21·52	21·22	23·04	22·77	36·94	29·30	31·25	30·23	31·42	31·83	27·18	27·90
	1881-95	**36·40**	**24·05**	**21·86**	**21·73**	**22·72**	**22·88**	**22·65**	**37·85**	**29·38**	**31·70**	**31·39**	**32·86**	**32·64**	**26·81**	**27·65**
46	1881-85	31·06	22·85	22·33	23·60	25·39	23·47	23·53	40·65	31·52	33·98	33·54	36·46	35·23	26·90	29·38
	1886-90	37·54	24·41	22·06	21·09	22·59	23·22	22·67	38·12	28·70	31·48	32·33	32·51	32·63	27·01	27·65
	1891-95	44·21	27·14	22·59	22·57	22·29	24·47	23·81	38·47	30·35	33·02	31·43	32·91	33·24	28·72	28·53
	1881-95	**37·60**	**24·80**	**22·42**	**22·32**	**23·42**	**23·72**	**23·34**	**39·08**	**30·19**	**32·83**	**32·43**	**33·96**	**33·70**	**27·55**	**28·52**
47	1881-85	32·01	23·45	22·83	24·15	25·98	24·37	24·16	41·98	32·45	35·17	34·59	37·41	36·32	28·87	30·24
	1886-90	39·30	25·17	22·26	21·42	22·98	23·76	23·12	40·01	29·66	32·36	33·28	33·24	33·71	27·60	28·42
	1891-95	45·03	27·57	22·96	23·05	22·67	24·82	24·21	39·41	30·99	33·62	32·18	33·90	34·02	29·23	29·12
	1881-95	**38·78**	**25·40**	**22·68**	**22·88**	**23·88**	**24·32**	**23·83**	**40·47**	**31·04**	**33·72**	**33·35**	**34·85**	**34·69**	**28·57**	**29·26**
48	1881-85	32·95	24·14	23·51	25·00	26·90	25·22	24·95	43·27	33·59	36·69	35·56	38·38	37·50	30·24	31·23
	1886-90	40·30	25·72	22·87	22·00	23·35	24·14	23·62	41·14	30·31	33·11	34·09	34·07	34·54	28·22	29·08
	1891-95	46·90	27·92	23·28	23·54	23·10	25·45	24·66	40·40	31·63	34·38	32·74	34·73	34·78	29·81	29·72
	1881-95	**40·05**	**25·93**	**23·22**	**23·51**	**24·45**	**24·94**	**24·41**	**41·60**	**31·85**	**34·72**	**34·13**	**35·73**	**35·61**	**29·42**	**30·01**
49	1881-85	34·14	25·03	24·41	25·80	27·48	26·09	25·76	44·41	34·39	37·86	36·29	39·29	38·45	31·66	32·11
	1886-90	41·43	26·20	23·27	22·37	23·83	24·69	24·09	42·50	31·15	34·18	35·08	35·25	35·63	29·13	29·86
	1891-95	48·75	28·77	23·87	24·02	23·74	26·09	25·30	42·14	32·88	35·39	33·87	35·87	36·03	30·68	30·67
	1881-95	**41·44**	**26·70**	**23·85**	**24·06**	**25·02**	**25·62**	**25·05**	**43·01**	**32·81**	**35·81**	**35·08**	**36·80**	**36·70**	**30·49**	**30·88**
50	1881-85	35·56	25·52	24·94	26·42	28·12	26·71	26·34	45·88	35·28	39·14	37·26	40·28	39·57	32·71	32·96
	1886-90	42·39	26·73	23·69	22·67	24·31	25·21	24·52	43·62	31·23	35·18	36·03	36·37	36·63	30·06	30·58
	1891-95	50·50	29·34	24·33	24·62	24·48	26·78	25·91	43·57	33·88	36·62	34·74	36·88	37·14	31·47	31·53
	1881-95	**42·82**	**27·20**	**24·32**	**24·57**	**25·64**	**26·23**	**25·59**	**44·35**	**33·70**	**36·98**	**36·01**	**37·84**	**37·78**	**31·41**	**31·69**
51	1881-85	36·26	25·87	25·27	26·82	28·50	27·01	26·69	47·03	35·97	39·83	38·12	40·92	40·37	33·28	33·53
	1886-90	43·26	27·30	24·28	23·09	24·82	25·89	25·08	44·51	32·57	36·26	36·96	37·59	37·58	30·86	31·33
	1891-95	51·62	29·86	24·60	24·87	24·87	27·19	26·28	44·52	34·49	37·54	35·44	37·93	37·98	32·20	32·13
	1881-95	**43·71**	**27·68**	**24·71**	**24·92**	**26·06**	**26·70**	**26·01**	**45·33**	**34·34**	**37·88**	**36·84**	**38·81**	**38·64**	**32·11**	**32·33**
52	1881-85	37·08	26·42	25·53	27·19	28·95	27·44	27·11	48·13	36·57	40·65	38·64	41·67	41·13	33·80	34·12
	1886-90	44·02	27·64	24·76	23·56	25·43	26·61	25·60	45·50	33·14	37·19	37·67	38·45	38·39	31·74	32·00
	1891-95	52·62	30·33	24·80	25·13	25·21	27·55	26·60	45·44	35·09	38·46	36·17	39·11	38·85	32·93	32·73
	1881-95	**44·58**	**28·13**	**25·03**	**25·29**	**26·53**	**27·20**	**26·44**	**46·36**	**34·93**	**38·77**	**37·49**	**39·74**	**39·46**	**32·82**	**32·95**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881-95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
1	1881-85	4	3	4	11	11	12	8	5	9	17	14	21	13	23	11
	1886-90	10	10	7	8	9	10	9	12	9	11	14	19	13	22	11
	1891-95	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	1881-95	**5**	**4**	**4**	**6**	**7**	**7**	**6**	**6**	**6**	**9**	**9**	**13**	**9**	**16**	**8**
2	1881-85	11	13	11	17	20	23	17	17	18	35	30	43	29	46	23
	1886-90	16	16	14	14	17	18	16	19	16	21	23	34	23	40	20
	1891-95	3	1	0	0	1	2	1	3	1	5	4	7	4	11	3
	1881-95	**10**	**10**	**8**	**10**	**12**	**14**	**11**	**13**	**12**	**21**	**19**	**28**	**19**	**33**	**15**
3	1881-85	23	26	19	21	30	32	26	30	27	45	45	62	42	59	34
	1886-90	27	28	22	21	27	28	25	33	26	42	43	61	41	68	33
	1891-95	5	4	4	5	6	9	6	9	7	18	12	24	14	37	10
	1881-95	**18**	**19**	**15**	**16**	**21**	**23**	**19**	**24**	**20**	**35**	**34**	**49**	**32**	**55**	**26**
4	1881-85	25	28	21	28	36	41	31	34	31	63	54	83	53	81	42
	1886-90	34	38	31	28	37	41	35	45	35	57	57	79	55	87	45
	1891-95	14	15	18	17	23	23	19	24	21	38	29	40	32	66	26
	1881-95	**24**	**27**	**24**	**25**	**32**	**35**	**29**	**34**	**29**	**53**	**46**	**70**	**46**	**78**	**38**
5	1881-85	31	36	30	43	51	58	44	44	45	85	70	109	71	107	58
	1886-90	40	47	41	37	47	58	46	57	46	74	70	100	69	111	58
	1891-95	24	23	28	27	37	40	31	35	33	57	43	70	48	89	40
	1881-95	**31**	**35**	**33**	**36**	**45**	**52**	**40**	**45**	**41**	**72**	**61**	**93**	**62**	**103**	**51**
6	1881-85	38	47	41	53	63	75	56	57	58	108	86	134	89	132	73
	1886-90	43	49	42	39	50	61	48	59	47	79	74	109	74	124	61
	1891-95	33	36	43	42	53	54	46	50	47	75	62	96	66	115	56
	1881-95	**38**	**44**	**42**	**45**	**56**	**63**	**50**	**55**	**51**	**88**	**74**	**113**	**76**	**123**	**63**
7	1881-85	43	56	54	70	80	98	72	72	72	133	103	159	108	160	90
	1886-90	46	55	46	42	54	65	52	64	51	87	86	128	83	137	68
	1891-95	39	41	47	48	62	65	53	56	57	89	75	115	78	135	66
	1881-95	**43**	**51**	**49**	**54**	**65**	**76**	**59**	**64**	**60**	**103**	**88**	**134**	**90**	**144**	**75**
8	1881-85	50	72	69	89	100	119	90	81	81	153	120	181	123	185	107
	1886-90	52	63	54	47	64	73	60	71	59	100	99	147	95	155	78
	1891-95	49	50	51	56	70	74	60	65	70	105	89	134	93	156	77
	1881-95	**50**	**62**	**58**	**64**	**78**	**89**	**70**	**72**	**70**	**119**	**102**	**154**	**103**	**165**	**87**
9	1881-85	57	85	83	106	121	143	108	92	97	177	140	211	143	212	126
	1886-90	57	71	57	48	66	75	63	77	61	104	107	156	101	162	82
	1891-95	51	55	65	77	89	93	76	74	82	123	104	155	108	178	92
	1881-95	**55**	**70**	**68**	**77**	**92**	**103**	**82**	**81**	**80**	**135**	**117**	**174**	**117**	**184**	**100**
10	1881-85	67	104	100	129	145	170	130	107	112	201	162	237	164	240	147
	1886-90	59	75	62	56	72	84	70	82	65	114	118	171	110	177	90
	1891-95	58	65	75	92	103	107	88	82	91	137	117	172	120	195	104
	1881-95	**61**	**81**	**79**	**92**	**107**	**120**	**96**	**90**	**90**	**151**	**132**	**194**	**131**	**204**	**114**
11	1881-85	82	128	128	164	181	203	161	128	137	230	188	267	190	275	176
	1886-90	64	88	75	66	86	95	82	93	75	126	130	188	122	190	102
	1891-95	64	73	90	116	124	129	106	92	106	160	136	200	139	227	123
	1881-95	**70**	**96**	**98**	**115**	**130**	**142**	**116**	**104**	**106**	**172**	**152**	**218**	**150**	**231**	**133**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	
		Day Degrees above 42° Fahrenheit.													
12	1881-85	86	141	142	184	199	225	178	139	150	249	206	292	207	298	193
	1886-90	72	100	90	93	112	119	103	106	92	149	150	213	142	214	123
	1891-95	109	108	124	151	165	162	142	121	136	195	169	237	172	261	157
	1881-95	**89**	**116**	**118**	**143**	**159**	**169**	**141**	**122**	**126**	**198**	**175**	**247**	**174**	**257**	**158**
13	1881-85	95	154	154	206	221	251	197	153	165	271	225	321	227	326	212
	1886-90	91	128	120	129	150	154	136	131	119	184	179	249	172	252	154
	1891-95	112	135	154	191	210	203	179	150	170	235	202	276	207	305	193
	1881-95	**100**	**139**	**142**	**176**	**194**	**203**	**171**	**145**	**151**	**230**	**202**	**282**	**202**	**294**	**187**
14	1881-85	117	184	180	247	265	300	235	185	200	305	258	359	261	365	248
	1886-90	106	151	138	151	175	183	160	151	141	212	205	279	198	280	179
	1891-95	143	165	180	231	259	250	217	187	208	285	243	325	250	361	234
	1881-95	**122**	**167**	**166**	**210**	**233**	**244**	**204**	**174**	**183**	**267**	**235**	**321**	**236**	**335**	**220**
15	1881-85	136	208	204	282	305	343	268	217	235	347	297	401	299	411	284
	1886-90	121	175	157	180	203	213	186	175	162	243	235	318	227	309	207
	1891-95	168	194	209	273	303	297	255	223	245	329	280	371	290	407	273
	1881-95	**142**	**192**	**190**	**245**	**270**	**284**	**236**	**205**	**214**	**306**	**271**	**363**	**272**	**376**	**254**
16	1881-85	159	241	232	318	343	385	304	251	268	385	337	443	337	451	321
	1886-90	144	202	183	218	240	252	219	205	190	279	266	354	259	351	239
	1891-95	203	232	243	321	358	351	301	267	293	380	329	425	339	462	320
	1881-95	**169**	**225**	**219**	**286**	**314**	**329**	**275**	**241**	**250**	**348**	**310**	**407**	**311**	**422**	**293**
17	1881-85	182	275	266	363	387	430	344	282	304	426	377	487	375	497	360
	1886-90	170	235	212	257	282	294	256	237	225	319	302	396	296	397	276
	1891-95	237	274	286	377	416	409	352	313	341	435	374	481	389	528	371
	1881-95	**197**	**261**	**254**	**332**	**362**	**378**	**317**	**278**	**290**	**393**	**351**	**455**	**353**	**474**	**335**
18	1881-85	207	310	299	414	437	485	389	320	343	471	419	535	418	551	404
	1886-90	206	281	253	313	341	353	308	285	276	370	352	449	346	455	327
	1891-95	275	318	326	426	473	465	402	361	390	490	425	539	441	590	422
	1881-95	**229**	**303**	**293**	**384**	**417**	**434**	**366**	**322**	**336**	**444**	**398**	**508**	**402**	**532**	**384**
19	1881-85	235	353	345	470	494	544	441	359	388	524	467	590	466	613	454
	1886-90	252	335	304	378	410	424	370	346	337	436	412	515	409	527	390
	1891-95	330	377	380	494	548	545	469	423	460	568	491	613	511	671	490
	1881-95	**272**	**355**	**343**	**447**	**484**	**504**	**427**	**376**	**395**	**509**	**457**	**573**	**462**	**604**	**445**
20	1881-85	270	403	400	539	565	621	506	415	450	591	526	658	528	687	517
	1886-90	295	357	358	443	475	497	432	402	395	499	464	575	467		450
	1891-95	370	422	429	564	616	624	531	481	522	639	551	687	576	749	554
	1881-95	**312**	**404**	**396**	**515**	**552**	**581**	**490**	**433**	**456**	**577**	**514**	**640**	**524**	**678**	**507**
21	1881-85	324	475	475	629	654	715	590	489	530	672	599	736	605	776	598
	1886-90	355	455	419	523	553	587	507	480	475	584	543	659	548	684	528
	1891-95	417	480	489	638	690	704	600	543	588	710	614	756	642	829	621
	1881-95	**365**	**470**	**461**	**597**	**632**	**669**	**566**	**504**	**531**	**655**	**585**	**717**	**598**	**763**	**582**
22	1881-85	380	555	558	720	745	816	679	569	615	763	681	824	690	869	685
	1886-90	401	509	480	611	632	679	582	538	543	666	609	735	618	773	600
	1891-95	478	547	565	725	782	798	683	620	676	797	693	842	726	930	705
	1881-95	**420**	**537**	**534**	**685**	**720**	**764**	**648**	**575**	**611**	**742**	**661**	**800**	**678**	**857**	**663**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-Producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Day Degrees above 42° Fahrenheit.														
23	1881-85	425	618	627	805	830	909	758	638	691	847	752	903	766	957	762
	1886-90	458	584	564	709	729	784	674	614	631	762	689	829	705	874	690
	1891-95	555	628	644	818	882	902	775	714	772	902	790	950	826	1037	801
	1881-95	**479**	**610**	**612**	**778**	**814**	**865**	**736**	**655**	**698**	**837**	**744**	**894**	**766**	**956**	**751**
24	1881-85	476	698	716	898	926	1012	850	717	779	941	834	991	852	1054	851
	1886-90	531	675	657	810	832	892	773	706	730	867	788	937	806	984	790
	1891-95	622	709	726	910	977	1008	866	801	864	1004	882	1050	920	1149	893
	1881-95	**543**	**694**	**700**	**873**	**912**	**970**	**830**	**741**	**791**	**937**	**835**	**993**	**859**	**1062**	**845**
25	1881-85	538	787	809	1002	1026	1121	949	803	875	1039	941	1084	948	1160	949
	1886-90	608	768	744	909	938	1003	872	814	839	981	902	1061	919	1093	896
	1891-95	697	790	821	1022	1086	1124	969	894	966	1113	979	1158	1022	1271	996
	1881-95	**615**	**782**	**791**	**978**	**1017**	**1083**	**930**	**837**	**893**	**1044**	**941**	**1101**	**963**	**1175**	**947**
26	1881-85	617	895	920	1131	1151	1254	1070	911	988	1153	1028	1197	1055	1279	1063
	1886-90	688	869	854	1035	1063	1133	991	915	950	1100	1006	1179	1030	1217	1011
	1891-95	791	896	939	1150	1216	1258	1092	1005	1090	1238	1098	1281	1142	1406	1117
	1881-95	**699**	**887**	**904**	**1106**	**1143**	**1215**	**1051**	**943**	**1009**	**1164**	**1044**	**1219**	**1076**	**1301**	**1066**
27	1881-85	707	1010	1046	1266	1279	1387	1198	1023	1108	1269	1141	1309	1170	1403	1184
	1886-90	762	965	964	1158	1186	1262	1107	1019	1062	1224	1116	1300	1144	1347	1126
	1891-95	890	1003	1056	1284	1344	1395	1216	1115	1214	1359	1205	1397	1258	1539	1239
	1881-95	**786**	**993**	**1022**	**1236**	**1270**	**1348**	**1174**	**1052**	**1128**	**1284**	**1154**	**1336**	**1191**	**1430**	**1183**
28	1881-85	799	1125	1175	1408	1409	1527	1329	1132	1226	1385	1247	1421	1282	1530	1306
	1886-90	827	1054	1065	1273	1296	1382	1214	1109	1164	1334	1210	1404	1244	1470	1229
	1891-95	980	1101	1164	1405	1461	1523	1331	1219	1328	1477	1311	1511	1369	1672	1352
	1881-95	**869**	**1093**	**1135**	**1362**	**1389**	**1478**	**1291**	**1153**	**1239**	**1399**	**1256**	**1445**	**1298**	**1557**	**1295**
29	1881-85	872	1218	1280	1529	1521	1654	1440	1224	1328	1498	1340	1525	1383	1652	1412
	1886-90	905	1153	1177	1399	1418	1514	1332	1211	1279	1454	1313	1520	1355	1599	1344
	1891-95	1066	1199	1272	1522	1572	1647	1442	1318	1437	1591	1414	1622	1476	1799	1459
	1881-95	**948**	**1190**	**1243**	**1483**	**1504**	**1605**	**1405**	**1251**	**1348**	**1514**	**1356**	**1556**	**1405**	**1682**	**1405**
30	1881-85	949	1317	1387	1646	1641	1782	1555	1327	1439	1617	1444	1640	1493	1778	1524
	1886-90	988	1253	1290	1525	1538	1644	1450	1314	1391	1573	1416	1636	1466	1727	1458
	1891-95	1158	1297	1378	1643	1690	1776	1557	1422	1552	1711	1522	1739	1589	1931	1573
	1881-95	**1032**	**1289**	**1352**	**1605**	**1623**	**1734**	**1521**	**1354**	**1461**	**1634**	**1461**	**1672**	**1516**	**1812**	**1518**
31	1881-85	1034	1428	1507	1779	1770	1923	1681	1439	1558	1744	1561	1765	1613	1913	1647
	1886-90	1072	1353	1403	1650	1659	1777	1568	1412	1505	1692	1521	1751	1576	1862	1572
	1891-95	1247	1396	1487	1759	1802	1903	1669	1527	1664	1828	1629	1855	1701	2060	1685
	1881-95	**1118**	**1392**	**1465**	**1729**	**1744**	**1867**	**1639**	**1460**	**1576**	**1755**	**1570**	**1790**	**1630**	**1945**	**1635**
32	1881-85	1122	1538	1621	1903	1894	2059	1803	1550	1677	1866	1671	1879	1729	2049	1766
	1886-90	1150	1452	1516	1779	1780	1910	1687	1512	1617	1812	1627	1869	1687	1994	1687
	1891-95	1343	1501	1604	1890	1926	2039	1792	1634	1784	1950	1740	1977	1817	2199	1805
	1881-95	**1205**	**1497**	**1580**	**1857**	**1866**	**2003**	**1761**	**1565**	**1693**	**1876**	**1680**	**1909**	**1745**	**2081**	**1753**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
33	1881–85	1209	1641	1736	2029	2012	2190	1922	1649	1787	1982	1773	1986	1835	2180	1879
	1886–90	1221	1536	1614	1889	1886	2031	1791	1604	1718	1922	1724	1974	1788	2120	1790
	1891–95	1444	1613	1729	2028	2058	2182	1922	1747	1911	2075	1858	2100	1938	2345	1930
	1881–95	**1291**	**1597**	**1693**	**1982**	**1985**	**2135**	**1878**	**1667**	**1806**	**1993**	**1785**	**2020**	**1854**	**2215**	**1866**
34	1881–85	1286	1740	1840	2145	2121	2316	2032	1745	1895	2099	1870	2095	1941	2312	1987
	1886–90	1306	1637	1723	2010	2003	2160	1907	1704	1831	2040	1828	2088	1898	2249	1903
	1891–95	1535	1712	1845	2154	2176	2316	2041	1850	2030	2196	1961	2213	2050	2487	2046
	1881–95	**1376**	**1696**	**1803**	**2103**	**2100**	**2264**	**1993**	**1766**	**1919**	**2112**	**1886**	**2132**	**1963**	**2349**	**1978**
35	1881–85	1346	1815	1930	2249	2217	2430	2128	1824	1984	2204	1956	2191	2032	2431	2080
	1886–90	1383	1729	1828	2125	2111	2283	2015	1795	1935	2149	1922	2191	1998	2375	2007
	1891–95	1609	1796	1948	2267	2284	2440	2147	1939	2135	2308	2055	2315	2150	2622	2149
	1881–95	**1446**	**1780**	**1902**	**2214**	**2204**	**2384**	**2097**	**1853**	**2018**	**2220**	**1978**	**2233**	**2060**	**2476**	**2079**
36	1881–85	1413	1895	2014	2342	2305	2536	2218	1906	2072	2301	2040	2283	2120	2545	2169
	1886–90	1458	1815	1928	2240	2216	2402	2120	1886	2037	2256	2019	2297	2099	2497	2110
	1891–95	1684	1881	2046	2373	2388	2557	2249	2027	2242	2420	2151	2416	2251	2756	2250
	1881–95	**1519**	**1863**	**1996**	**2318**	**2303**	**2498**	**2196**	**1940**	**2117**	**2326**	**2070**	**2332**	**2157**	**2599**	**2177**
37	1881–85	1483	1975	2103	2448	2405	2646	2315	1993	2166	2401	2125	2373	2212	2658	2264
	1886–90	1532	1901	2024	2347	2319	2518	2222	1971	2136	2364	2114	2399	2197	2624	2210
	1891–95	1761	1956	2142	2477	2485	2671	2348	2115	2344	2524	2244	2514	2348	2881	2348
	1881–95	**1592**	**1947**	**2089**	**2424**	**2403**	**2612**	**2295**	**2026**	**2215**	**2429**	**2161**	**2429**	**2252**	**2721**	**2274**
38	1881–85	1546	2034	2195	2555	2509	2761	2415	2080	2266	2509	2212	2467	2307	2778	2361
	1886–90	1596	1972	2098	2438	2398	2614	2304	2042	2217	2455	2192	2485	2278	2740	2291
	1891–95	1816	2026	2220	2569	2568	2773	2431	2182	2426	2617	2319	2597	2428	2907	2430
	1881–95	**1653**	**2017**	**2171**	**2521**	**2492**	**2716**	**2383**	**2101**	**2303**	**2527**	**2241**	**2516**	**2338**	**2839**	**2361**
39	1881–85	1601	2121	2268	2630	2582	2844	2489	2148	2340	2590	2277	2542	2379	2877	2434
	1886–90	1644	2027	2160	2509	2464	2697	2371	2102	2284	2534	2257	2561	2348	2838	2360
	1891–95	1874	2088	2298	2658	2651	2877	2514	2253	2514	2711	2396	2683	2511	3119	2513
	1881–95	**1706**	**2079**	**2242**	**2599**	**2566**	**2806**	**2458**	**2168**	**2379**	**2612**	**2310**	**2595**	**2413**	**2945**	**2436**
40	1881–85	1649	2178	2324	2685	2636	2908	2546	2204	2397	2654	2333	2607	2439	2965	2493
	1886–90	1681	2075	2219	2580	2527	2777	2436	2158	2348	2607	2317	2628	2412	2927	2424
	1891–95	1923	2138	2356	2729	2714	2958	2579	2307	2577	2782	2453	2744	2573	3218	2576
	1881–95	**1751**	**2130**	**2300**	**2665**	**2625**	**2881**	**2520**	**2223**	**2441**	**2681**	**2367**	**2660**	**2474**	**3037**	**2497**
41	1881–85	1684	2219	2369	2737	2683	2965	2595	2249	2445	2711	2376	2659	2488	3041	2542
	1886–90	1722	2125	2269	2633	2584	2841	2491	2209	2403	2669	2369	2688	2468	3005	2480
	1891–95	1960	2178	2408	2790	2767	3028	2634	2356	2637	2846	2499	2797	2627	3305	2631
	1881–95	**1789**	**2174**	**2349**	**2722**	**2679**	**2945**	**2574**	**2271**	**2495**	**2742**	**2415**	**2715**	**2528**	**3117**	**2551**
42	1881–85	1716	2256	2410	2780	2725	3018	2638	2291	2489	2769	2421	2712	2536	3114	2587
	1886–90	1759	2165	2313	2689	2631	2897	2539	2255	2449	2723	2417	2744	2518	3077	2529
	1891–95	1990	2213	2446	2840	2810	3085	2679	2395	2680	2900	2541	2848	2673	3382	2676
	1881–95	**1822**	**2211**	**2389**	**2770**	**2722**	**3000**	**2618**	**2314**	**2539**	**2797**	**2460**	**2768**	**2576**	**3191**	**2597**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day-Degrees above 42° Fahrenheit.														
43	1881–85	1740	2280	2438	2819	2759	3060	2671	2320	2522	2815	2455	2753	2573	3175	2622
	1886–90	1795	2206	2357	2734	2672	2949	2584	2299	2494	2776	2465	2799	2567	3149	2576
	1891–95	2006	2231	2472	2873	2842	3126	2709	2419	2713	2940	2571	2884	2705	3445	2707
	1881–95	**1847**	**2239**	**2422**	**2809**	**2758**	**3045**	**2655**	**2346**	**2576**	**2844**	**2497**	**2812**	**2615**	**3256**	**2635**
44	1881–85	1766	2311	2473	2857	2795	3106	2708	2354	2560	2889	2492	2802	2615	3242	2662
	1886–90	1820	2234	2393	2776	2712	3000	2623	2333	2534	2823	2501	2842	2607	3217	2615
	1891–95	2024	2252	2499	2900	2877	3169	2741	2446	2747	2981	2603	2922	2740	2505	2741
	1881–95	**1870**	**2265**	**2455**	**2847**	**2794**	**3092**	**2691**	**2378**	**2614**	**2891**	**2532**	**2855**	**2654**	**3321**	**2673**
45	1881–85	1790	2339	2502	2891	2829	3152	2743	2386	2594	2916	2527	2848	2654	3305	2699
	1886–90	1839	2255	2417	2802	2737	3032	2649	2360	2559	2859	2531	2879	2633	3274	2644
	1891–95	2047	2270	2525	2941	2908	3210	2771	2473	2778	3020	2628	2959	2772	3564	2772
	1881–95	**1892**	**2288**	**2481**	**2878**	**2825**	**3131**	**2721**	**2406**	**2644**	**2932**	**2562**	**2895**	**2688**	**3381**	**2705**
46	1881–85	1803	2351	2515	2904	2841	3173	2757	2390	2614	2947	2547	2881	2678	3347	2718
	1886–90	1861	2276	2438	2829	2764	3069	2675	2385	2586	2898	2559	2918	2669	3328	2672
	1891–95	2064	2282	2552	2973	2937	3253	2799	2497	2806	3059	2651	2988	2800	3624	2800
	1881–95	**1909**	**2303**	**2502**	**2902**	**2847**	**3165**	**2744**	**2427**	**2669**	**2968**	**2586**	**2929**	**2716**	**3433**	**2730**
47	1881–85	1809	2358	2520	2923	2860	3198	2774	2412	2631	2976	2561	2905	2697	3391	2736
	1886–90	1882	2301	2465	2858	2794	3110	2706	2412	2616	2942	2588	2959	2703	3387	2705
	1891–95	2075	2291	2566	2988	2951	3274	2814	2513	2824	3087	2670	3016	2822	3670	2818
	1881–95	**1922**	**2317**	**2520**	**2923**	**2868**	**3194**	**2764**	**2446**	**2690**	**3002**	**2606**	**2960**	**2741**	**3483**	**2753**
48	1881–85	1818	2371	2543	2940	2878	3222	2791	2429	2649	3010	2582	2935	2721	3433	2756
	1886–90	1892	2311	2476	2869	2806	3126	2718	2427	2629	2960	2604	2980	2720	3419	2719
	1891–95	2089	2302	2582	3096	2967	3296	2831	2533	2844	3113	2687	3039	2843	3713	2837
	1881–95	**1933**	**2328**	**2534**	**2938**	**2884**	**3214**	**2780**	**2463**	**2707**	**3028**	**2624**	**2985**	**2761**	**3522**	**2771**
49	1881–85	1819	2372	2549	2948	2886	3235	2798	2434	2656	3025	2589	2946	2730	3461	2764
	1886–90	1900	2319	2482	2876	2814	3138	2726	2441	2639	2979	2618	3004	2736	3447	2731
	1891–95	2095	2306	2590	3020	2982	3313	2842	2547	2860	3136	2697	3063	2861	3751	2852
	1881–95	**1938**	**2332**	**2540**	**2948**	**2894**	**3229**	**2789**	**2474**	**2718**	**3047**	**2635**	**3005**	**2776**	**3553**	**2783**
50	1881–85	1822	2378	2556	2957	2896	3249	2807	2441	2666	3044	2599	2961	2742	3489	2775
	1886–90	1905	2321	2483	2880	2819	3150	2731	2445	2643	2994	2625	3021	2746	3473	2739
	1891–95	2104	2314	2600	3034	2996	3336	2856	2564	2878	3168	2718	3097	2885	3795	2871
	1881–95	**1944**	**2338**	**2546**	**2957**	**2903**	**3245**	**2798**	**2484**	**2729**	**3069**	**2647**	**3026**	**2791**	**3586**	**2795**
51	1881–85	1830	2387	2564	2964	2905	3264	2817	2453	2678	3063	2615	2986	2759	3516	2788
	1886–90	1911	2325	2480	2888	2830	3162	2739	2455	2652	3007	2635	3034	2757	3495	2748
	1891–95	2110	2307	2605	3039	3004	3348	2861	2576	2889	3183	2730	3119	2899	3822	2880
	1881–95	**1950**	**2340**	**2552**	**2964**	**2913**	**3258**	**2805**	**2494**	**2739**	**3084**	**2660**	**3046**	**2805**	**3611**	**2805**
52	1881–85	1839	2398	2574	2973	2917	3281	2829	2467	2692	3086	2633	3010	2778	3544	2804
	1886–90	1914	2326	2489	2889	2830	3164	2740	2457	2652	3012	2639	3043	2761	3511	2751
	1891–95	2116	2323	2610	3045	3013	3360	2870	2587	2901	3199	2741	3141	2914	3853	2892
	1881–95	**1957**	**2349**	**2558**	**2969**	**2920**	**3268**	**2813**	**2504**	**2748**	**3099**	**2671**	**3065**	**2817**	**3636**	**2815**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
1	1881-85	29	44	31	28	31	19	31	31	26	13	18	12	20	7	26
	1886-90	32	38	44	58	57	39	47	29	33	25	27	18	26	10	37
	1891-95	71	78	75	90	89	80	82	65	66	63	58	51	61	35	72
	1881-95	**44**	**53**	**50**	**59**	**59**	**46**	**53**	**41**	**42**	**34**	**34**	**27**	**36**	**17**	**45**
2	1881-85	70	84	72	74	77	56	73	67	60	38	48	39	50	17	62
	1886-90	65	80	84	106	107	78	91	59	66	52	51	38	53	22	72
	1891-95	125	144	134	164	162	144	150	114	118	110	99	87	106	58	128
	1881-95	**87**	**103**	**97**	**114**	**115**	**93**	**104**	**80**	**81**	**67**	**66**	**55**	**70**	**32**	**87**
3	1881-85	104	127	114	129	129	100	120	101	96	71	86	72	85	37	103
	1886-90	96	113	111	138	137	105	121	76	87	69	67	49	70	26	96
	1891-95	160	187	173	206	201	174	188	141	148	135	123	106	131	65	160
	1881-95	**120**	**142**	**133**	**157**	**155**	**126**	**143**	**106**	**110**	**92**	**92**	**76**	**95**	**43**	**119**
4	1881-85	137	172	157	170	174	130	161	133	132	87	114	87	111	47	136
	1886-90	126	147	145	181	175	137	157	104	116	94	93	73	96	35	127
	1891-95	192	222	201	237	230	196	217	161	166	149	143	120	148	68	183
	1881-95	**152**	**180**	**168**	**196**	**193**	**154**	**178**	**133**	**138**	**110**	**117**	**93**	**118**	**50**	**148**
5	1881-85	166	204	182	195	198	147	185	151	151	99	133	100	127	51	156
	1886-90	156	180	175	215	207	158	187	125	137	112	114	87	115	41	151
	1891-95	228	266	236	280	267	227	255	191	195	174	170	138	174	80	215
	1881-95	**183**	**217**	**198**	**230**	**224**	**177**	**209**	**156**	**161**	**128**	**139**	**109**	**139**	**57**	**174**
6	1881-85	193	234	207	221	220	161	209	168	168	106	152	109	141	53	175
	1886-90	205	229	219	262	253	199	232	165	176	146	146	117	150	54	191
	1891-95	264	311	275	326	312	266	298	222	226	203	197	155	201	98	250
	1881-95	**221**	**258**	**234**	**270**	**262**	**209**	**247**	**185**	**190**	**152**	**165**	**127**	**164**	**68**	**206**
7	1881-85	223	265	228	241	239	172	229	187	181	112	170	118	154	53	192
	1886-90	247	274	257	313	301	242	277	201	214	181	172	138	181	71	229
	1891-95	324	382	334	389	380	314	360	274	276	242	238	183	243	119	302
	1881-95	**265**	**307**	**273**	**315**	**307**	**243**	**289**	**221**	**223**	**178**	**194**	**147**	**193**	**81**	**241**
8	1881-85	255	296	254	267	266	193	255	211	206	129	190	136	174	58	215
	1886-90	277	312	294	362	346	282	319	228	246	213	198	157	208	84	264
	1891-95	360	430	375	438	432	353	406	308	311	272	266	207	273	131	340
	1881-95	**297**	**346**	**308**	**356**	**348**	**276**	**327**	**249**	**254**	**205**	**218**	**166**	**218**	**92**	**273**
9	1881-85	286	330	282	292	288	209	280	236	225	137	207	140	189	59	235
	1886-90	321	363	346	425	406	337	375	271	296	258	233	185	249	104	312
	1891-95	400	474	404	468	460	378	437	340	337	293	292	226	298	143	368
	1881-95	**336**	**389**	**344**	**395**	**385**	**308**	**364**	**282**	**286**	**229**	**244**	**184**	**245**	**102**	**305**
10	1881-85	316	356	308	319	315	229	305	254	245	153	227	156	207	67	256
	1886-90	371	410	387	468	448	373	417	308	332	290	263	214	281	119	349
	1891-95	450	520	446	509	504	416	479	377	373	326	326	254	331	159	405
	1881-95	**379**	**429**	**380**	**432**	**422**	**339**	**400**	**313**	**316**	**256**	**272**	**208**	**273**	**115**	**337**
11	1881-85	337	381	332	348	343	249	631	273	263	170	248	172	225	74	278
	1886-90	412	457	430	519	494	413	463	345	373	324	292	239	315	139	389
	1891-95	485	557	475	536	535	438	508	405	395	345	348	269	352	163	439
	1881-95	**411**	**465**	**412**	**468**	**457**	**367**	**434**	**341**	**344**	**280**	**296**	**227**	**298**	**125**	**366**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
12	1881-85	378	416	366	383	378	276	364	301	290	191	274	193	250	81	307
	1886-90	442	487	452	540	516	433	486	365	392	340	313	259	334	145	410
	1891-95	505	582	497	565	565	460	534	422	413	360	356	277	366	166	450
	1881-95	**442**	**495**	**438**	**496**	**486**	**390**	**461**	**363**	**365**	**297**	**314**	**243**	**316**	**131**	**389**
13	1881-85	409	447	394	415	411	299	393	326	316	209	298	210	272	86	333
	1886-90	461	503	463	553	530	445	499	377	402	351	322	267	344	147	422
	1891-95	532	613	523	594	596	476	560	449	432	372	380	292	385	168	473
	1881-95	**467**	**521**	**460**	**521**	**512**	**407**	**484**	**384**	**383**	**311**	**333**	**257**	**334**	**134**	**409**
14	1881-85	427	470	412	434	430	311	411	345	334	218	314	223	287	88	349
	1886-90	491	533	486	581	560	461	524	402	424	337	343	287	365	152	445
	1891-95	551	635	538	611	615	484	577	463	442	377	389	298	394	169	486
	1881-95	**490**	**546**	**479**	**542**	**535**	**419**	**504**	**403**	**400**	**321**	**349**	**269**	**348**	**136**	**426**
15	1881-85	446	484	422	445	442	319	422	356	341	223	323	228	294	88	358
	1886-90	519	557	508	602	583	477	545	419	442	379	356	238	379	153	462
	1891-95	577	661	559	631	637	496	597	482	457	386	400	306	406	170	502
	1881-95	**514**	**568**	**496**	**559**	**554**	**431**	**522**	**419**	**413**	**329**	**360**	**278**	**360**	**137**	**441**
16	1881-85	462	496	434	459	456	329	435	365	353	232	331	235	303	89	369
	1886-90	534	572	516	610	591	480	554	425	446	382	361	301	383	153	469
	1891-95	593	679	570	641	649	501	608	492	464	392	408	310	413	170	511
	1881-95	**530**	**582**	**507**	**570**	**565**	**437**	**532**	**427**	**421**	**335**	**366**	**282**	**366**	**138**	**449**
17	1881-85	475	507	443	469	467	336	444	371	360	236	337	240	309	90	377
	1886-90	551	591	529	621	605	485	566	437	454	388	369	307	391	153	479
	1891-95	607	691	577	648	658	504	616	497	468	394	412	312	417	170	517
	1881-95	**544**	**597**	**516**	**579**	**577**	**442**	**542**	**435**	**427**	**339**	**373**	**286**	**372**	**138**	**457**
18	1881-85	486	515	449	476	474	339	451	377	364	239	342	243	313	90	382
	1886-90	559	599	535	629	608	488	572	441	457	389	371	307	396	153	483
	1891-95	614	701	581	656	665	508	622	501	470	397	414	314	419	170	521
	1881-95	**553**	**605**	**522**	**587**	**583**	**445**	**548**	**440**	**431**	**342**	**376**	**288**	**375**	**138**	**462**
19	1881-85	493	524	454	481	480	341	456	384	367	241	347	246	317	90	387
	1886-90	563	602	537	632	615	489	575	443	458	390	373	307	394	153	485
	1891-95	618	705	582	656	668	508	624	501	470	397	414	314	419	170	522
	1881-95	**560**	**610**	**524**	**590**	**588**	**446**	**552**	**443**	**432**	**342**	**378**	**289**	**377**	**138**	**465**
20	1881-85	505	528	456	485	485	343	459	387	369	242	349	247	319	90	389
	1886-90	569	606	539	634	616	489	577	445	459	390	375	307	395	153	486
	1891-95	625	710	586	659	671	509	627	505	473	399	417	317	422	170	525
	1881-95	**566**	**615**	**527**	**593**	**591**	**447**	**555**	**446**	**434**	**344**	**380**	**290**	**379**	**138**	**467**
21	1881-85	506	528	456	486	486	343	460	387	369	242	349	247	319	90	390
	1886-90	571	607	539	635	617	489	577	445	459	390	375	307	395	153	486
	1891-95	630	716	589	660	676	510	630	509	475	401	420	319	425	170	528
	1881-95	**569**	**617**	**528**	**594**	**593**	**447**	**556**	**447**	**435**	**344**	**381**	**291**	**380**	**136**	**468**
22	1881-85	506	528	456	486	486	343	460	387	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	631	718	590	661	677	510	631	510	475	401	420	319	425	170	528
	1881-95	**571**	**619**	**528**	**594**	**594**	**447**	**556**	**447**	**435**	**344**	**381**	**291**	**380**	**138**	**468**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
23	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	303	396	153	487
	1891–95	632	718	590	661	677	510	631	510	475	401	420	319	425	170	528
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
24	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	475	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
25	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	475	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
26	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	475	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
27	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
28	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
29	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	377	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
30	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	377	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
31	1881–85	508	529	457	486	486	343	460	388	369	342	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
32	1881–85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886–90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	891–95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881–95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881-95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Day Degrees below 42° Fahrenheit.														
33	1881-85	508	529	457	486	483	343	460	388	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
34	1881-85	508	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**572**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
35	1881-85	509	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**573**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
36	1881-85	509	529	457	486	486	343	460	388	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**573**	**619**	**529**	**594**	**594**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
37	1881-85	509	529	457	486	488	343	461	388	369	242	349	247	319	90	390
	1886-90	576	610	539	635	617	489	578	446	459	390	375	308	396	153	487
	1891-95	633	719	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**573**	**619**	**529**	**594**	**595**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
38	1881-85	509	529	457	486	488	343	461	388	369	242	349	247	319	90	390
	1886-90	576	612	540	636	619	489	579	446	459	390	375	308	396	153	488
	1891-95	634	720	590	662	678	510	632	510	476	401	420	319	425	170	529
	1881-95	**573**	**620**	**529**	**595**	**595**	**447**	**557**	**448**	**435**	**344**	**381**	**291**	**380**	**138**	**469**
39	1881-85	510	529	457	487	490	343	461	388	369	242	349	248	319	90	390
	1886-90	580	615	540	636	620	489	580	446	459	390	375	308	396	153	488
	1891-95	637	722	590	662	678	510	632	510	476	401	421	319	425	170	529
	1881-95	**575**	**622**	**529**	**595**	**596**	**447**	**558**	**448**	**435**	**344**	**382**	**291**	**380**	**138**	**469**
40	1881-85	512	529	457	488	493	344	462	388	369	242	349	248	319	90	391
	1886-90	586	620	546	644	628	494	586	450	462	392	376	310	398	153	492
	1891-95	637	725	591	662	680	510	634	511	476	401	422	319	426	170	530
	1881-95	**578**	**625**	**531**	**598**	**601**	**449**	**561**	**450**	**436**	**345**	**382**	**292**	**381**	**138**	**471**
41	1881-85	517	536	462	492	500	347	467	393	371	243	353	249	322	90	395
	1886-90	596	630	552	655	643	504	597	458	466	399	380	315	404	153	501
	1891-95	639	729	591	662	682	510	635	512	476	401	424	321	427	170	531
	1881-95	**584**	**632**	**535**	**603**	**608**	**454**	**566**	**455**	**438**	**347**	**386**	**295**	**384**	**138**	**475**
42	1881-85	521	538	463	493	503	348	469	394	371	244	355	250	323	90	396
	1886-90	598	633	554	664	653	510	603	460	467	400	380	316	405	153	504
	1891-95	653	745	597	667	691	515	643	524	478	405	431	328	433	170	538
	1881-95	**590**	**639**	**538**	**608**	**616**	**458**	**572**	**459**	**439**	**349**	**389**	**298**	**387**	**138**	**480**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day-Degrees below 42° Fahrenheit.														
43	1881–85	537	559	471	504	514	355	481	407	378	248	366	257	331	90	406
	1886–90	606	640	557	668	657	513	607	463	469	401	384	319	407	153	507
	1891–95	678	773	611	677	706	522	658	543	489	411	445	339	445	170	552
	1881–95	**607**	**657**	**546**	**616**	**626**	**463**	**582**	**471**	**445**	**353**	**398**	**305**	**394**	**138**	**488**
44	1881–85	543	567	474	509	521	357	486	409	381	248	368	258	333	90	410
	1886–90	615	651	562	673	663	515	613	467	471	402	387	321	410	153	512
	1891–95	696	796	627	690	723	531	673	559	499	419	456	347	456	171	565
	1881–95	**618**	**672**	**554**	**624**	**636**	**468**	**591**	**478**	**450**	**356**	**404**	**308**	**399**	**138**	**495**
45	1881–85	558	585	486	523	536	363	499	421	390	251	381	266	342	90	421
	1886–90	628	686	569	683	675	520	623	476	477	404	393	325	415	153	519
	1891–95	707	814	638	702	738	538	686	567	505	425	469	358	465	171	576
	1881–95	**631**	**688**	**564**	**636**	**650**	**474**	**602**	**488**	**457**	**360**	**414**	**316**	**407**	**138**	**505**
46	1881–85	576	613	503	543	561	380	520	441	405	259	399	278	356	90	438
	1886–90	640	685	586	706	698	533	642	487	488	414	402	336	425	155	534
	1891–95	726	839	648	711	750	541	698	578	510	427	484	366	473	171	586
	1881–95	**647**	**712**	**579**	**653**	**669**	**485**	**620**	**502**	**468**	**367**	**428**	**327**	**418**	**139**	**519**
47	1881–85	599	640	520	561	581	392	539	458	418	267	419	290	370	90	455
	1886–90	656	702	598	716	707	537	652	494	465	417	409	341	431	155	542
	1891–95	750	870	667	735	775	558	721	598	524	439	499	380	488	174	605
	1881–95	**668**	**737**	**595**	**671**	**688**	**496**	**637**	**517**	**479**	**374**	**442**	**337**	**430**	**140**	**534**
48	1881–85	621	665	541	585	604	410	561	472	430	274	433	301	382	90	472
	1886–90	682	735	623	747	739	561	681	511	512	434	426	357	448	161	565
	1891–95	748	899	683	755	805	570	742	615	536	447	513	394	501	174	622
	1881–95	**684**	**766**	**616**	**696**	**716**	**514**	**662**	**533**	**493**	**385**	**457**	**351**	**444**	**142**	**553**
49	1881–85	660	706	574	621	644	440	597	507	460	298	473	335	414	96	506
	1886–90	715	768	653	789	777	594	716	532	536	455	447	370	468	169	592
	1891–95	810	944	716	787	830	591	774	638	556	462	538	410	521	176	648
	1881–95	**729**	**806**	**648**	**732**	**751**	**542**	**696**	**559**	**517**	**405**	**486**	**370**	**467**	**147**	**582**
50	1881–85	691	751	608	651	676	461	629	535	485	311	502	358	438	101	534
	1886–90	747	807	691	813	827	647	761	562	570	479	474	390	493	174	628
	1891–95	837	979	743	819	860	609	802	658	576	469	556	418	535	176	669
	1881–95	**758**	**846**	**681**	**768**	**788**	**572**	**731**	**585**	**544**	**420**	**511**	**389**	**490**	**150**	**611**
51	1881–85	717	778	631	679	703	482	655	552	503	321	521	372	454	102	555
	1886–90	786	857	735	885	878	667	804	599	612	507	503	418	528	184	636
	1891–95	864	1016	782	859	904	636	839	678	605	484	578	433	556	182	698
	1881–95	**789**	**884**	**716**	**808**	**828**	**595**	**766**	**610**	**573**	**438**	**534**	**408**	**513**	**156**	**640**
52	1881–85	736	808	654	704	730	502	680	569	526	338	537	387	471	106	576
	1886–90	829	911	786	951	939	719	861	639	654	547	536	452	566	196	714
	1891–95	893	1060	823	907	954	670	883	703	636	503	600	444	577	188	730
	1881–95	**819**	**926**	**755**	**854**	**874**	**630**	**808**	**637**	**605**	**463**	**558**	**428**	**538**	**163**	**673**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
1	1881–85	5	11	7	10	9	10	9	6	8	12	11	14	10	14	10
	1886–90	4	8	6	10	8	9	8	6	6	11	10	12	9	20	9
	1891–95	6	7	11	12	14	16	12	13	12	17	12	13	13	17	13
	1881–95	**5**	**9**	**8**	**11**	**11**	**11**	**10**	**9**	**8**	**13**	**11**	**13**	**11**	**17**	**11**
2	1881–85	12	21	14	20	17	18	18	13	15	23	18	25	19	31	19
	1886–90	9	14	11	18	16	17	15	13	11	19	18	24	17	32	16
	1891–95	14	15	17	20	22	27	20	24	21	34	24	28	26	32	23
	1881–95	**12**	**17**	**14**	**19**	**18**	**21**	**18**	**17**	**16**	**25**	**20**	**26**	**21**	**32**	**20**
3	1881–85	21	35	20	26	23	23	25	22	23	33	32	39	30	44	28
	1886–90	13	28	20	30	27	28	27	21	21	32	23	33	26	51	27
	1891–95	17	21	25	30	32	38	29	31	26	46	29	36	34	43	32
	1881–95	**17**	**28**	**22**	**28**	**28**	**30**	**27**	**25**	**23**	**37**	**28**	**36**	**30**	**46**	**29**
4	1881–85	26	48	28	41	32	33	36	29	32	41	42	50	39	56	38
	1886–90	18	42	33	47	41	42	41	31	33	45	35	47	38	69	40
	1891–95	24	34	37	46	47	53	43	44	38	62	42	51	47	63	45
	1881–95	**23**	**41**	**33**	**44**	**40**	**43**	**40**	**34**	**34**	**50**	**39**	**50**	**41**	**63**	**41**
5	1881–85	35	60	35	54	43	44	47	35	40	55	52	63	49	76	48
	1886–90	27	57	46	63	55	55	55	43	43	61	47	61	51	85	53
	1891–95	32	46	52	63	62	68	58	57	51	80	55	66	62	81	60
	1881–95	**31**	**55**	**45**	**60**	**53**	**55**	**54**	**45**	**44**	**65**	**51**	**63**	**54**	**81**	**54**
6	1881–85	43	72	42	67	56	57	59	48	50	69	68	79	63	96	61
	1886–90	41	82	69	87	74	70	76	63	65	81	64	82	71	106	74
	1891–95	41	64	71	83	81	84	77	71	65	98	70	79	77	101	77
	1881–95	**42**	**73**	**61**	**79**	**70**	**70**	**71**	**61**	**60**	**83**	**67**	**80**	**70**	**101**	**71**
7	1881–85	58	88	54	82	69	71	73	60	61	83	81	92	75	118	74
	1886–90	57	98	85	105	89	85	92	77	82	101	84	103	89	126	91
	1891–95	62	87	93	104	103	107	99	87	85	119	91	101	97	129	98
	1881–95	**59**	**91**	**77**	**97**	**87**	**88**	**88**	**75**	**76**	**101**	**85**	**99**	**87**	**124**	**88**
8	1881–85	74	118	72	97	86	86	92	77	78	102	99	113	94	144	93
	1886–90	74	107	96	119	102	101	105	91	97	122	99	121	106	144	106
	1891–95	79	104	111	131	124	135	121	99	105	149	108	121	116	165	119
	1881–95	**76**	**110**	**93**	**116**	**104**	**107**	**106**	**89**	**93**	**125**	**102**	**118**	**105**	**151**	**106**
9	1881–85	93	136	89	119	107	109	112	91	97	122	111	129	110	168	111
	1886–90	97	127	116	138	118	117	123	108	118	145	112	140	125	175	124
	1891–95	95	125	132	148	142	154	140	122	122	176	128	143	138	189	139
	1881–95	**95**	**129**	**112**	**135**	**123**	**127**	**125**	**107**	**112**	**148**	**117**	**137**	**124**	**177**	**125**
10	1881–85	114	158	109	143	129	130	134	113	115	147	130	155	132	194	133
	1886–90	115	147	140	160	140	139	145	130	139	172	132	169	148	202	147
	1891–95	117	150	155	172	164	178	164	150	143	202	157	175	165	219	165
	1881–95	**115**	**152**	**134**	**158**	**144**	**149**	**147**	**131**	**132**	**174**	**140**	**166**	**149**	**205**	**148**
11	1881–85	130	187	140	178	160	164	166	136	141	183	157	184	160	242	163
	1886–90	143	170	160	183	161	161	167	154	162	199	150	194	172	238	170
	1891–95	138	177	187	204	192	210	194	180	170	234	180	198	192	260	193
	1881–95	**137**	**178**	**162**	**188**	**171**	**179**	**176**	**157**	**157**	**207**	**163**	**192**	**175**	**247**	**176**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
12	1881–85	158	224	167	211	193	199	199	164	165	224	186	215	191	282	195
	1886–90	158	190	184	205	182	182	189	175	183	225	172	222	195	264	192
	1891–95	160	212	225	242	227	240	231	206	200	276	202	229	223	308	227
	1881–95	**159**	**209**	**192**	**220**	**200**	**210**	**206**	**182**	**182**	**242**	**186**	**222**	**203**	**285**	**205**
13	1881–85	188	249	192	251	223	235	230	194	191	255	217	249	221	318	226
	1886–90	180	213	205	225	199	202	209	202	206	254	195	252	222	303	216
	1891–95	198	247	261	287	268	297	272	245	238	328	240	273	265	362	269
	1881–95	**189**	**236**	**219**	**254**	**230**	**245**	**237**	**214**	**212**	**279**	**217**	**258**	**236**	**328**	**237**
14	1881–85	228	282	233	302	264	276	271	241	236	296	260	298	266	361	269
	1886–90	210	249	237	260	232	239	243	237	239	299	224	292	258	352	251
	1891–95	230	275	293	327	306	341	308	279	273	374	272	311	302	413	305
	1881–95	**223**	**269**	**254**	**296**	**267**	**285**	**274**	**252**	**249**	**323**	**252**	**300**	**275**	**375**	**275**
15	1881–85	268	307	250	329	288	304	296	272	262	330	292	332	298	405	297
	1886–90	237	280	264	294	260	266	273	275	269	337	259	333	295	390	284
	1891–95	264	315	335	369	347	386	350	316	315	426	305	354	343	466	347
	1881–95	**256**	**301**	**283**	**331**	**299**	**319**	**307**	**288**	**282**	**364**	**285**	**340**	**312**	**420**	**310**
16	1881–85	301	340	274	363	318	336	326	303	294	370	328	367	332	448	329
	1886–90	266	302	283	320	282	295	296	303	292	369	281	362	321	425	309
	1891–95	304	355	375	408	387	429	391	359	355	469	342	392	383	514	387
	1881–95	**290**	**332**	**311**	**364**	**329**	**353**	**338**	**322**	**314**	**402**	**317**	**374**	**346**	**462**	**342**
17	1881–85	332	380	302	399	352	370	361	330	321	411	357	400	364	497	363
	1886–90	305	342	315	354	313	329	331	343	330	408	321	406	362	463	347
	1891–95	337	390	409	448	427	470	429	401	391	516	379	431	424	564	427
	1881–95	**325**	**370**	**342**	**401**	**364**	**390**	**373**	**358**	**347**	**445**	**352**	**412**	**383**	**508**	**378**
18	1881–85	371	411	341	438	390	412	398	373	366	456	396	449	408	549	403
	1886–90	342	380	355	402	356	375	374	380	367	448	357	414	399	518	387
	1891–95	370	430	449	492	469	517	471	440	431	565	409	468	463	626	467
	1881–95	**361**	**407**	**381**	**444**	**405**	**435**	**414**	**398**	**388**	**490**	**387**	**454**	**423**	**564**	**419**
19	1881–85	410	458	385	486	435	456	444	418	413	505	445	501	456	611	450
	1886–90	375	416	384	444	392	418	411	417	399	496	389	476	435	580	423
	1891–95	414	485	508	554	532	579	532	494	489	633	462	524	520	695	526
	1881–95	**400**	**453**	**426**	**495**	**453**	**484**	**462**	**443**	**434**	**545**	**432**	**500**	**471**	**629**	**467**
20	1881–85	457	507	441	547	486	510	498	469	469	564	496	558	511	677	505
	1886–90	407	453	415	474	423	454	444	451	434	536	419	508	470	628	457
	1891–95	449	516	535	589	561	620	564	528	516	668	491	557	552	742	558
	1881–95	**437**	**492**	**464**	**536**	**490**	**528**	**502**	**482**	**473**	**589**	**469**	**541**	**511**	**683**	**507**
21	1881–85	503	561	503	607	537	563	554	520	523	612	537	603	559	734	557
	1886–90	447	499	447	520	459	496	484	503	479	583	474	564	521	675	502
	1891–95	482	552	567	630	600	665	603	567	547	715	532	597	592	800	598
	1881–95	**477**	**537**	**506**	**586**	**532**	**575**	**547**	**530**	**516**	**637**	**514**	**588**	**557**	**736**	**552**
22	1881–85	544	618	548	663	587	615	606	572	575	663	589	651	610	795	608
	1886–90	474	535	483	574	502	546	528	542	521	627	512	604	561	723	545
	1891–95	524	594	610	682	645	720	650	610	590	768	570	640	636	865	643
	1881–95	**514**	**583**	**547**	**640**	**578**	**627**	**595**	**575**	**562**	**686**	**557**	**632**	**602**	**794**	**599**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
23	1881–85	591	656	580	710	621	653	644	613	619	711	625	692	652	843	648
	1886–90	507	581	523	620	543	591	572	585	563	668	546	641	601	766	587
	1891–95	575	641	649	727	690	771	696	656	638	827	617	693	686	926	691
	1881–95	**558**	**626**	**584**	**686**	**618**	**672**	**637**	**618**	**607**	**735**	**596**	**675**	**646**	**845**	**642**
24	1881–85	629	693	621	757	666	701	688	657	665	769	659	734	697	907	693
	1886–90	547	625	559	668	587	638	615	631	611	726	593	694	651	825	633
	1891–95	611	685	692	773	740	825	743	712	694	887	666	737	739	997	741
	1881–95	**596**	**668**	**624**	**733**	**664**	**721**	**682**	**667**	**657**	**794**	**640**	**722**	**696**	**910**	**689**
25	1881–85	658	727	650	795	700	738	722	692	695	813	689	770	732	962	727
	1886–90	600	683	605	705	627	681	660	690	663	781	653	751	708	877	684
	1891–95	645	722	728	819	782	870	784	759	736	937	711	786	786	1050	785
	1881–95	**634**	**711**	**661**	**773**	**703**	**763**	**722**	**714**	**698**	**844**	**685**	**769**	**742**	**963**	**732**
26	1881–85	695	775	691	850	747	791	771	730	736	858	718	807	770	1015	771
	1886–90	633	732	644	758	673	734	708	735	708	838	684	790	751	941	730
	1891–95	682	769	773	875	831	932	836	803	782	989	755	829	832	1116	834
	1881–95	**670**	**759**	**703**	**827**	**750**	**819**	**772**	**756**	**742**	**895**	**719**	**809**	**784**	**1024**	**778**
27	1881–85	728	809	733	905	795	842	817	765	775	905	741	834	804	1067	811
	1886–90	668	765	685	806	719	781	751	782	755	888	725	836	797	1000	774
	1891–95	705	805	816	930	880	988	884	842	826	1040	784	863	871	1179	878
	1881–95	**701**	**793**	**745**	**880**	**798**	**870**	**817**	**796**	**785**	**945**	**750**	**844**	**824**	**1082**	**821**
28	1881–85	759	853	782	956	839	892	864	805	819	955	776	873	846	1125	855
	1886–90	701	801	716	841	751	815	785	820	791	928	753	872	833	1050	809
	1891–95	728	831	847	967	916	1035	919	880	862	1089	815	895	908	1234	914
	1881–95	**729**	**828**	**781**	**921**	**835**	**914**	**856**	**835**	**824**	**991**	**781**	**880**	**852**	**1136**	**859**
29	1881–85	789	888	817	996	873	928	900	847	854	988	808	905	880	1164	890
	1886–90	728	840	751	889	791	857	826	856	828	973	782	909	870	1098	848
	1891–95	748	864	880	999	946	1071	952	918	894	1125	845	925	941	1279	947
	1881–95	**755**	**864**	**816**	**961**	**870**	**952**	**893**	**873**	**859**	**1029**	**812**	**913**	**897**	**1180**	**895**
30	1881–85	823	927	852	1040	909	972	940	885	891	1039	839	943	919	1223	930
	1886–90	754	875	784	931	829	898	863	888	860	1010	811	943	903	1138	883
	1891–95	784	897	912	1035	979	1112	987	957	927	1168	880	960	978	1320	983
	1881–95	**787**	**899**	**849**	**1002**	**906**	**994**	**930**	**910**	**892**	**1072**	**843**	**949**	**933**	**1227**	**932**
31	1881–85	845	964	886	1074	944	1012	976	921	928	1084	869	977	956	1292	966
	1886–90	779	915	820	974	871	944	905	931	904	1056	842	978	942	1198	924
	1891–95	806	924	938	1070	1010	1147	1018	993	959	1207	906	986	1010	1371	1014
	1881–95	**810**	**935**	**881**	**1039**	**942**	**1034**	**966**	**949**	**930**	**1116**	**872**	**980**	**969**	**1287**	**968**
32	1881–85	868	1002	925	1115	984	1057	1017	963	965	1130	900	1016	995	1351	1006
	1886–90	801	943	853	1018	910	989	943	962	937	1101	867	1013	976	1263	960
	1891–95	827	954	968	1110	1045	1188	1053	1021	988	1241	934	1014	1040	1421	1047
	1881–95	**832**	**966**	**916**	**1081**	**980**	**1078**	**1004**	**982**	**963**	**1157**	**900**	**1014**	**1003**	**1345**	**1004**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Numbers of Hours.														
33	1881–85	895	1036	959	1162	1029	1105	1058	938	1003	1176	931	1051	1032	1408	1045
	1886–90	830	970	881	1051	944	1026	974	992	968	1141	895	1048	1009	1308	992
	1891–95	850	987	1000	1154	1085	1237	1093	1055	1021	1287	959	1042	1073	1480	1083
	1881–95	**858**	**998**	**947**	**1122**	**1019**	**1122**	**1042**	**1015**	**997**	**1201**	**928**	**1047**	**1038**	**1399**	**1040**
34	1881–85	923	1073	988	1199	1068	1146	1095	1033	1039	1229	961	1091	1071	1466	1083
	1886–90	856	1001	911	1087	977	1033	1008	1023	999	1183	923	1083	1042	1354	1025
	1891–95	874	1021	1035	1197	1125	1279	1131	1093	1051	1324	987	1070	1105	1524	1118
	1881–95	**884**	**1032**	**978**	**1161**	**1057**	**1163**	**1078**	**1050**	**1030**	**1245**	**957**	**1081**	**1073**	**1448**	**1076**
35	1881–85	954	1103	1004	1222	1088	1173	1118	1055	1056	1259	980	1117	1093	1496	1106
	1886–90	876	1031	942	1133	1015	1105	1045	1051	1027	1222	946	1111	1071	1402	1058
	1891–95	890	1047	1065	1237	1161	1320	1166	1119	1077	1368	1004	1096	1133	1575	1150
	1881–95	**907**	**1060**	**1004**	**1197**	**1088**	**1199**	**1110**	**1075**	**1053**	**1283**	**977**	**1108**	**1099**	**1491**	**1105**
36	1881–85	986	1139	1032	1252	1117	1202	1148	1090	1088	1300	1007	1151	1127	1532	1138
	1886–90	901	1064	971	1163	1041	1139	1076	1080	1054	1250	966	1139	1098	1444	1087
	1891–95	915	1084	1103	1283	1202	1366	1208	1162	1114	1411	1041	1134	1172	1630	1190
	1881–95	**934**	**1095**	**1035**	**1233**	**1120**	**1236**	**1144**	**1111**	**1085**	**1321**	**1005**	**1141**	**1133**	**1535**	**1139**
37	1881–85	1014	1163	1061	1289	1150	1237	1180	1123	1124	1338	1036	1184	1161	1580	1171
	1886–90	925	1093	999	1202	1075	1181	1110	1109	1084	1293	994	1173	1131	1500	1121
	1891–95	935	1115	1136	1323	1238	1406	1244	1196	1144	1450	1066	1166	1204	1675	1224
	1881–95	**958**	**1124**	**1065**	**1271**	**1155**	**1275**	**1178**	**1143**	**1117**	**1361**	**1032**	**11 74**	**1165**	**1585**	**1172**
38	1881–85	1035	1180	1083	1318	1176	1235	1204	1142	1147	1369	1058	1211	1185	1621	1195
	1886–90	948	1127	1027	1244	1110	1224	1146	1141	1120	1333	1022	1207	1165	1551	1156
	1891–95	953	1136	1161	1347	1261	1433	1268	1223	1167	1479	1092	1196	1231	1714	1250
	1881–95	**979**	**1148**	**1090**	**1303**	**1182**	**1307**	**1206**	**1169**	**1145**	**1394**	**1057**	**1205**	**1194**	**1629**	**1200**
39	1881–85	1059	1209	1110	1354	1207	1298	1236	1170	1176	1399	1082	1240	1213	1659	1225
	1886–90	966	1146	1045	1265	1132	1247	1167	1164	1142	1358	1038	1228	1186	1579	1177
	1891–95	975	1163	1194	1387	1297	1474	1303	1246	1195	1514	1123	1233	1262	1755	1283
	1881–95	**1000**	**1173**	**1116**	**1335**	**1212**	**1340**	**1235**	**1194**	**1171**	**1424**	**1081**	**1234**	**1221**	**1667**	**1228**
40	1881–85	1084	1235	1137	1378	1230	1320	1260	1195	1201	1429	1104	1266	1239	1687	1250
	1886–90	981	1165	1064	1289	1153	1272	1189	1182	1158	1383	1054	1250	1205	1605	1197
	1891–95	933	1185	1217	1415	1322	1503	1328	1209	1216	1548	1148	1263	1289	1788	1309
	1881–95	**1019**	**1195**	**1139**	**1361**	**1235**	**1365**	**1259**	**1215**	**1192**	**1453**	**1102**	**1260**	**1244**	**1693**	**1252**
41	1881–85	1107	1254	1157	1397	1250	1343	1280	1216	1219	1451	1125	1294	1261	1717	1271
	1886–90	997	1187	1088	1323	1184	1306	1218	1203	1181	1417	1073	1274	1230	1644	1224
	1891–95	1007	1204	1238	1437	1343	1525	1349	1289	1235	1571	1167	1286	1310	1817	1330
	1881–95	**1037**	**1215**	**1161**	**1386**	**1259**	**1392**	**1283**	**1236**	**1212**	**1480**	**1122**	**1285**	**1267**	**1726**	**1275**
42	1881–85	1124	1274	1174	1417	1274	1365	1301	1230	1233	1473	1142	1311	1278	1744	1290
	1886–90	1011	1201	1107	1350	1205	1330	1239	1220	1197	1441	1089	1293	1248	1674	1244
	1891–95	1024	1224	1259	1459	1365	1551	1372	1312	1254	1598	1193	1311	1334	1848	1353
	1881–95	**1053**	**1233**	**1180**	**1409**	**1282**	**1415**	**1304**	**1254**	**1228**	**1504**	**1141**	**1305**	**1286**	**1756**	**1295**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
43	1881–85	1146	1298	1188	1438	1289	1382	1319	1249	1247	1491	1162	1330	1296	1764	1308
	1886–90	1027	1212	1118	1366	1220	1346	1252	1235	1211	1456	1106	1310	1264	1696	1258
	1891–95	1045	1247	1279	1480	1385	1573	1393	1334	1275	1621	1217	1338	1357	1874	1375
	1881–95	**1073**	**1253**	**1195**	**1428**	**1298**	**1434**	**1322**	**1272**	**1244**	**1522**	**1162**	**1326**	**1305**	**1778**	**1314**
44	1881–85	1157	1313	1198	1453	1302	1397	1333	1262	1260	1506	1176	1348	1310	1782	1322
	1886–90	1039	1221	1132	1385	1237	1363	1268	1248	1224	1474	1122	1328	1279	1717	1274
	1891–95	1055	1264	1296	1496	1400	1590	1409	1352	1288	1638	1239	1360	1375	1898	1392
	1881–95	**1084**	**1266**	**1209**	**1445**	**1313**	**1450**	**1337**	**1287**	**1257**	**1539**	**1179**	**1346**	**1322**	**1799**	**1330**
45	1881–85	1170	1331	1211	1473	1317	1413	1349	1274	1272	1520	1191	1364	1324	1799	1337
	1886–90	1051	1232	1144	1463	1247	1373	1280	1258	1233	1487	1134	1342	1291	1730	1286
	1891–95	1063	1277	1307	1514	1415	1606	1424	1364	1298	1656	1256	1379	1391	1916	1408
	1881–95	**1095**	**1280**	**1221**	**1463**	**1327**	**1464**	**1351**	**1299**	**1268**	**1554**	**1194**	**1362**	**1335**	**1815**	**1343**
46	1881–85	1179	1341	1219	1486	1330	1427	1361	1284	1283	1535	1207	1380	1338	1821	1350
	1886–90	1059	1243	1155	1418	1260	1384	1292	1268	1242	1500	1147	1359	1303	1746	1298
	1891–95	1069	1287	1318	1529	1428	1621	1437	1376	1308	1669	1274	1396	1405	1932	1421
	1881–95	**1102**	**1291**	**1230**	**1478**	**1339**	**1478**	**1363**	**1309**	**1278**	**1568**	**1209**	**1378**	**1348**	**1833**	**1356**
47	1881–85	1186	1352	1234	1502	1345	1441	1375	1296	1295	1551	1222	1397	1352	1835	1364
	1886–90	1065	1256	1167	1426	1269	1393	1302	1277	1253	1508	1158	1372	1314	1758	1308
	1891–95	1075	1297	1324	1539	1438	1635	1447	1385	1316	1686	1286	1411	1417	1948	1432
	1881–95	**1109**	**1302**	**1242**	**1489**	**1351**	**1489**	**1375**	**1319**	**1288**	**1582**	**1222**	**1393**	**1361**	**1847**	**1368**
48	1881–85	1195	1360	1241	1510	1354	1450	1383	1302	1302	1561	1231	1406	1360	1848	1372
	1886–90	1070	1265	1177	1438	1279	1402	1312	1286	1262	1524	1166	1382	1324	1775	1318
	1891–95	1081	1306	1334	1548	1448	1644	1456	1395	1325	1699	1299	1426	1429	1960	1443
	1881–95	**1117**	**1310**	**1251**	**1492**	**1361**	**1499**	**1383**	**1328**	**1296**	**1595**	**1232**	**1405**	**1371**	**1861**	**1377**
49	1881–85	1206	1372	1249	1520	1363	1458	1392	1313	1309	1576	1244	1419	1372	1860	1382
	1886–90	1075	1274	1187	1447	1287	1413	1322	1294	1270	1535	1176	1391	1333	1787	1328
	1891–95	1085	1315	1345	1562	1460	1660	1468	1402	1333	1712	1308	1438	1439	1977	1454
	1881–95	**1122**	**1320**	**1260**	**1510**	**1370**	**1510**	**1394**	**1337**	**1304**	**1608**	**1243**	**1419**	**1382**	**1875**	**1388**
50	1881–85	1210	1381	1255	1529	1370	1467	1400	1320	1314	1585	1252	1432	1381	1870	1391
	1886–90	1078	1281	1200	1459	1297	1426	1333	1301	1277	1548	1185	1404	1343	1807	1338
	1891–95	1088	1321	1353	1572	1469	1671	1477	1410	1338	1723	1315	1447	1447	1992	1462
	1881–95	**1125**	**1328**	**1269**	**1520**	**1379**	**1521**	**1403**	**1344**	**1310**	**1619**	**1251**	**1428**	**1390**	**1890**	**1397**
51	1881–85	1213	1388	1262	1538	1379	1477	1409	1325	1319	1592	1257	1439	1386	1879	1398
	1886–90	1083	1284	1207	1467	1303	1434	1339	1309	1285	1560	1193	1417	1353	1820	1346
	1891–95	1090	1328	1360	1581	1478	1682	1486	1415	1345	1734	1325	1460	1456	2006	1471
	1881–95	**1129**	**1334**	**1276**	**1529**	**1387**	**1531**	**1411**	**1350**	**1316**	**1628**	**1258**	**1439**	**1398**	**1902**	**1405**
52	1881–85	1216	1398	1267	1542	1382	1480	1414	1330	1322	1598	1263	1448	1392	1887	1403
	1886–90	1089	1291	1214	1476	1312	1443	1347	1315	1291	1573	1202	1429	1362	1837	1355
	1891–95	1093	1335	1370	1593	1487	1695	1496	1420	1352	1744	1331	1469	1463	2024	1480
	1881–95	**1133**	**1341**	**1284**	**1537**	**1394**	**1539**	**1419**	**1355**	**1322**	**1639**	**1265**	**1449**	**1406**	**1916**	**1413**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Percentages of Possible Duration.														
1	1881–85	12	24	13	18	17	17	18	12	14	22	21	27	19	25	19
	1886–90	8	17	11	19	15	16	16	12	11	19	19	23	17	35	17
	1891–95	14	15	21	22	27	29	23	25	23	31	23	25	25	29	24
	1881–95	**11**	**19**	**15**	**20**	**20**	**21**	**19**	**17**	**16**	**24**	**21**	**25**	**21**	**30**	**20**
2	1881–85	13	22	13	18	16	17	17	13	14	21	18	23	18	27	18
	1886–90	10	14	10	17	15	15	14	13	11	17	17	22	16	28	15
	1891–95	15	14	16	19	23	23	19	23	22	30	22	26	25	28	22
	1881–95	**13**	**17**	**13**	**19**	**18**	**18**	**17**	**16**	**16**	**22**	**19**	**24**	**19**	**28**	**18**
3	1881–85	14	24	13	16	14	14	16	14	14	19	19	24	18	25	17
	1886–90	10	19	13	18	17	17	17	13	13	19	14	20	16	29	17
	1891–95	12	14	15	18	20	21	18	19	18	26	18	22	21	25	20
	1881–95	**12**	**19**	**14**	**17**	**17**	**17**	**17**	**16**	**15**	**21**	**17**	**22**	**18**	**26**	**18**
4	1881–85	13	24	13	18	14	14	17	14	15	18	19	23	18	24	18
	1886–90	9	21	16	21	19	19	19	14	15	20	16	21	17	29	18
	1891–95	12	17	17	20	21	22	19	20	18	26	19	23	21	27	20
	1881–95	**12**	**21**	**15**	**20**	**18**	**18**	**18**	**16**	**16**	**21**	**18**	**22**	**19**	**26**	**19**
5	1881–85	14	23	13	19	15	15	17	13	14	19	19	22	17	25	17
	1886–90	11	22	17	22	19	19	20	15	15	21	17	21	18	28	19
	1891–95	14	18	19	22	22	22	21	21	19	26	19	23	22	27	22
	1881–95	**13**	**21**	**16**	**21**	**19**	**19**	**19**	**16**	**16**	**22**	**18**	**22**	**19**	**27**	**19**
6	1881–85	14	23	12	19	16	16	17	14	15	19	20	23	18	26	18
	1886–90	13	25	20	25	21	20	22	19	19	23	18	23	20	28	21
	1891–95	14	21	21	24	23	23	22	21	20	26	20	23	22	29	22
	1881–95	**14**	**23**	**18**	**23**	**20**	**19**	**21**	**18**	**18**	**23**	**19**	**23**	**20**	**28**	**21**
7	1881–85	15	23	13	20	16	16	18	15	15	20	20	22	18	27	18
	1886–90	15	25	21	25	22	20	23	19	20	24	21	25	22	28	23
	1891–95	17	24	22	25	25	24	24	21	22	23	22	24	22	30	23
	1881–95	**16**	**24**	**19**	**23**	**21**	**20**	**21**	**19**	**19**	**23**	**21**	**24**	**21**	**29**	**21**
8	1881–85	16	26	15	20	17	17	19	16	16	20	20	23	19	28	19
	1886–90	16	24	20	24	21	20	22	19	20	24	21	25	22	28	22
	1891–95	18	23	23	27	25	26	25	21	23	29	23	25	24	34	25
	1881–95	**17**	**24**	**20**	**24**	**21**	**21**	**22**	**19**	**20**	**25**	**21**	**24**	**22**	**30**	**22**
9	1881–85	18	26	16	21	19	19	20	17	18	21	20	23	20	28	20
	1886–90	19	24	21	24	21	20	22	20	21	25	20	25	22	30	22
	1891–95	19	25	24	26	25	26	25	22	23	30	23	25	25	33	25
	1881–95	**19**	**25**	**20**	**24**	**22**	**22**	**23**	**19**	**21**	**25**	**21**	**24**	**22**	**30**	**23**
10	1881–85	19	26	17	22	20	20	21	18	18	23	21	24	21	29	21
	1886–90	19	24	22	25	22	21	23	21	22	26	21	26	23	30	23
	1891–95	20	26	24	27	25	26	26	24	24	30	25	27	26	34	26
	1881–95	**20**	**26**	**21**	**25**	**22**	**22**	**23**	**21**	**21**	**26**	**22**	**26**	**23**	**31**	**23**
11	1881–85	19	27	20	25	22	23	23	19	20	25	22	25	22	32	23
	1886–90	21	25	23	25	22	22	23	22	23	27	21	27	24	32	24
	1891–95	22	27	26	28	27	28	27	25	25	31	25	27	27	35	27
	1881–95	**21**	**26**	**23**	**26**	**24**	**24**	**25**	**22**	**23**	**28**	**23**	**26**	**24**	**33**	**25**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generality.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Percentages of Possible Duration.														
12	1881–85	21	29	21	26	24	24	25	21	21	27	24	27	24	34	25
	1886–90	21	25	23	25	22	22	23	22	23	27	21	27	24	32	24
	1891–95	22	29	28	30	28	29	29	26	26	33	26	28	28	37	29
	1881–95	**21**	**28**	**24**	**27**	**25**	**25**	**26**	**23**	**23**	**29**	**24**	**27**	**25**	**34**	**26**
13	1881–85	22	29	22	28	25	26	26	22	22	28	25	28	25	34	26
	1886–90	21	25	23	25	22	22	23	23	23	28	22	28	25	33	24
	1891–95	25	30	29	32	30	32	31	28	28	35	27	30	30	40	31
	1881–95	**23**	**28**	**25**	**28**	**26**	**27**	**27**	**24**	**24**	**31**	**25**	**29**	**27**	**36**	**27**
14	1881–85	24	30	24	30	27	28	28	25	24	30	27	30	27	36	28
	1886–90	22	26	24	26	24	24	25	24	25	30	23	29	26	35	26
	1891–95	26	30	30	33	31	33	31	29	29	37	28	31	31	42	31
	1881–95	**24**	**29**	**26**	**30**	**27**	**28**	**28**	**26**	**26**	**32**	**26**	**30**	**28**	**37**	**28**
15	1881–85	26	29	23	30	26	28	27	25	24	30	27	31	27	36	27
	1886–90	23	27	25	27	24	24	25	26	25	31	24	30	27	36	26
	1891–95	27	32	31	34	32	34	33	30	31	38	29	32	32	43	33
	1881–95	**25**	**29**	**26**	**31**	**27**	**29**	**28**	**27**	**27**	**33**	**27**	**31**	**29**	**38**	**29**
16	1881–85	26	30	23	31	27	28	28	26	25	31	28	31	28	37	28
	1886–90	23	26	24	27	24	25	25	26	25	31	24	31	27	35	26
	1891–95	28	32	32	29	32	35	32	31	32	39	29	33	33	44	33
	1881–95	**26**	**29**	**26**	**31**	**28**	**29**	**29**	**28**	**27**	**34**	**27**	**32**	**30**	**39**	**30**
17	1881–85	27	30	24	31	27	29	28	26	25	32	28	31	28	38	28
	1886–90	24	27	25	27	24	26	26	27	26	31	25	32	28	36	27
	1891–85	28	33	32	35	33	35	34	31	32	39	30	34	33	44	34
	1881–95	**26**	**30**	**27**	**31**	**28**	**30**	**29**	**28**	**28**	**34**	**28**	**32**	**30**	**39**	**30**
18	1881–85	27	30	25	31	28	30	29	27	27	33	28	33	30	39	30
	1886–90	25	28	26	29	26	27	27	28	26	32	26	32	29	37	28
	1891–95	28	33	33	36	34	36	34	32	32	40	30	33	33	45	34
	1881–95	**27**	**30**	**28**	**32**	**29**	**31**	**30**	**29**	**28**	**35**	**28**	**33**	**31**	**40**	**31**
19	1881–85	28	31	26	32	29	30	30	28	28	34	30	34	31	40	31
	1886–90	26	28	26	30	26	28	28	28	27	33	26	32	29	38	29
	1891–95	29	34	34	37	35	38	36	33	34	41	31	35	35	47	36
	1881–95	**28**	**31**	**28**	**33**	**30**	**32**	**31**	**30**	**29**	**36**	**29**	**33**	**31**	**42**	**31**
20	1881–85	29	32	28	34	30	32	31	29	29	35	31	35	32	42	32
	1886–90	26	29	26	30	27	28	28	28	27	33	26	32	29	39	29
	1891–95	30	34	33	37	35	38	35	33	33	41	31	34	34	46	35
	1881–95	**28**	**32**	**29**	**34**	**31**	**33**	**32**	**30**	**30**	**36**	**29**	**34**	**32**	**42**	**32**
21	1881–85	29	33	29	35	31	33	32	30	30	36	31	35	32	43	32
	1886–90	26	29	26	30	27	29	28	29	28	34	28	33	30	39	29
	1891–95	30	34	33	37	35	38	35	33	33	41	31	34	34	47	35
	1881–95	**28**	**32**	**29**	**34**	**31**	**33**	**32**	**31**	**31**	**37**	**30**	**34**	**33**	**43**	**33**
22	1881–85	30	34	30	36	32	34	33	31	31	36	32	36	33	44	33
	1886–90	26	29	26	31	27	30	29	29	28	34	28	33	30	39	30
	1891–95	30	34	33	38	35	38	36	33	33	42	31	35	35	47	36
	1881–95	**29**	**32**	**30**	**35**	**32**	**34**	**33**	**31**	**31**	**37**	**30**	**34**	**33**	**43**	**33**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	
		Percentages of Possible Duration.													
23	1881–85	30	34	30	37	32	33	33	32	32	37	32	36	34	43	34
	1886–90	26	30	27	32	28	30	29	30	29	34	28	33	31	40	30
	1891–95	31	35	33	37	35	39	36	34	34	42	32	35	35	48	36
	1881–95	**29**	**33**	**30**	**35**	**32**	**34**	**33**	**32**	**32**	**38**	**30**	**35**	**33**	**44**	**33**
24	1881–85	30	34	30	37	32	34	33	32	32	37	32	35	34	44	34
	1886–90	27	30	27	33	28	31	30	31	30	35	29	34	32	40	31
	1891–95	31	35	34	38	36	39	36	34	35	43	32	36	36	48	36
	1881–95	**29**	**33**	**30**	**36**	**32**	**35**	**33**	**32**	**32**	**38**	**31**	**35**	**34**	**44**	**34**
25	1881–85	30	33	30	37	32	34	33	32	32	38	32	36	34	44	34
	1886–90	27	31	28	32	29	31	30	32	30	36	30	35	33	40	32
	1891–95	31	34	34	38	36	39	36	34	35	43	33	36	36	49	36
	1881–95	**29**	**33**	**30**	**36**	**32**	**35**	**33**	**33**	**32**	**39**	**32**	**35**	**34**	**44**	**34**
26	1881–85	30	34	30	37	33	35	34	32	32	38	31	35	34	45	34
	1886–90	27	32	28	33	29	32	31	32	31	37	30	34	33	41	32
	1891–95	31	34	34	38	36	40	36	35	35	43	33	36	36	49	36
	1881–95	**29**	**33**	**31**	**36**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
27	1881–85	30	33	30	38	33	35	34	32	32	38	31	35	34	44	34
	1886–90	27	31	29	33	30	32	31	32	31	37	30	35	33	42	32
	1891–95	31	35	34	39	37	40	37	35	35	43	32	36	36	50	37
	1881–95	**29**	**33**	**31**	**37**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
28	1881–85	30	34	31	38	33	36	34	32	32	38	30	34	33	45	34
	1886–90	27	31	28	34	30	32	31	32	31	37	30	35	33	42	32
	1891–95	30	34	34	39	36	41	37	35	35	43	32	36	36	50	37
	1881–95	**29**	**33**	**31**	**37**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**46**	**34**
29	1881–85	29	33	31	38	33	35	34	32	32	38	31	34	33	45	34
	1886–90	27	31	28	34	30	33	31	32	31	37	29	34	33	42	32
	1891–95	30	34	33	38	36	40	36	35	35	43	32	35	36	49	36
	1881–95	**29**	**33**	**31**	**37**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
30	1881–85	29	33	31	38	33	35	34	32	32	38	30	35	33	45	34
	1886–90	27	31	28	34	30	33	31	32	31	37	29	34	33	42	32
	1891–95	30	34	33	38	36	40	36	34	35	42	32	35	36	49	36
	1881–95	**29**	**33**	**31**	**37**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
31	1851–85	29	33	31	38	33	36	34	32	32	38	30	34	33	46	34
	1886–90	27	32	29	34	31	33	32	32	31	37	30	34	33	42	33
	1891–95	30	33	33	38	35	40	36	35	35	42	32	34	36	49	36
	1881–95	**29**	**33**	**31**	**37**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**34**	**34**	**46**	**34**
32	1881–85	29	33	31	38	33	36	34	32	32	38	30	34	33	46	34
	1886–90	27	31	29	35	31	33	32	32	31	37	29	34	33	43	33
	1891–95	29	33	33	37	35	42	36	34	35	42	32	34	35	49	36
	1881–95	**28**	**33**	**31**	**37**	**33**	**37**	**34**	**33**	**33**	**39**	**30**	**34**	**34**	**46**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Percentages of Possible Duration.														
33	1881–85	29	33	31	38	34	36	34	32	32	39	30	34	33	47	34
	1886–90	26	31	29	34	31	34	32	32	32	38	29	34	33	43	33
	1891–95	29	33	32	38	35	40	36	34	34	42	31	34	35	49	36
	1881–95	**28**	**33**	**31**	**37**	**33**	**37**	**34**	**33**	**33**	**39**	**30**	**34**	**34**	**46**	**34**
34	1881–85	29	33	31	38	34	37	35	33	33	39	30	35	34	47	35
	1886–90	27	31	29	34	31	34	32	32	32	38	29	34	33	43	33
	1891–95	29	33	33	38	36	40	36	34	34	42	31	34	35	49	36
	1881–95	**28**	**33**	**31**	**37**	**34**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**46**	**34**
35	1881–85	28	33	31	38	34	36	34	32	32	39	30	34	33	47	34
	1886–90	26	31	29	35	31	34	32	32	32	38	29	34	33	44	33
	1891–95	29	33	32	38	36	40	36	34	34	42	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**37**	**34**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
36	1881–85	29	33	31	38	33	36	34	32	32	39	30	35	34	46	34
	1886–90	26	31	29	35	31	34	32	32	31	38	29	34	33	44	33
	1891–95	29	33	33	39	36	41	36	34	34	42	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**37**	**33**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
37	1881–85	29	33	31	38	33	37	34	32	32	39	30	35	34	46	34
	1886–90	26	31	29	35	31	35	32	32	31	38	29	34	33	44	33
	1891–95	29	33	33	39	36	41	36	35	34	43	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**37**	**34**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
38	1881–85	29	33	31	38	34	36	34	32	32	39	30	34	33	47	34
	1886–90	26	32	29	35	32	35	33	32	32	38	29	34	33	45	33
	1891–95	29	33	33	38	36	40	36	34	34	42	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**37**	**34**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
39	1881–85	29	33	31	38	34	37	35	32	32	39	30	34	33	46	34
	1886–90	26	31	29	35	32	35	32	32	32	38	29	34	33	44	33
	1891–95	28	33	33	40	36	41	37	34	34	42	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**38**	**34**	**37**	**35**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**35**
40	1881–85	29	33	31	38	33	35	34	32	33	39	30	35	34	46	34
	1886–90	26	31	29	35	31	35	32	32	31	38	28	34	33	44	33
	1891–95	28	33	33	39	36	41	36	34	34	42	31	34	35	50	36
	1881–95	**28**	**33**	**31**	**37**	**33**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
41	1881–85	29	33	31	37	33	36	34	32	32	39	30	34	33	46	34
	1886–90	26	31	29	35	32	35	32	32	31	38	28	34	33	44	33
	1891–95	28	33	33	39	36	40	36	34	34	42	31	34	35	50	36
	1881–95	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
42	1881–85	29	33	30	37	34	36	34	32	32	39	30	34	33	46	34
	1886–90	26	31	29	35	31	35	32	32	31	38	28	34	33	44	33
	1891–95	28	33	33	38	36	40	36	34	34	42	31	34	35	49	36
	1881–95	**27**	**32**	**31**	**37**	**34**	**37**	**34**	**33**	**32**	**39**	**30**	**34**	**34**	**46**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Mean for Grazing, &c. District.		
		Percentages of Possible Duration.														
43	1881–85	29	33	30	37	33	36	34	32	32	39	30	34	33	46	34
	1886–90	26	31	29	35	31	35	32	31	31	38	28	34	32	44	32
	1891–95	28	33	33	38	35	40	36	34	34	41	31	34	35	49	36
	1881–95	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**32**	**32**	**39**	**30**	**34**	**33**	**46**	**34**
44	1881–85	28	32	30	37	33	35	33	32	32	38	30	34	33	45	33
	1886–90	26	31	28	35	31	35	32	31	31	37	28	34	32	43	32
	1891–95	28	33	33	38	35	40	36	34	34	41	31	34	35	29	36
	1881–95	**27**	**32**	**30**	**37**	**33**	**37**	**34**	**32**	**32**	**39**	**30**	**34**	**33**	**46**	**34**
45	1881–85	29	33	30	37	33	35	34	31	32	38	29	34	33	45	34
	1886–90	26	30	28	35	31	34	32	31	31	37	28	33	32	43	32
	1891–95	28	33	33	38	35	40	36	34	34	41	31	34	35	48	36
	1881–95	**27**	**32**	**30**	**36**	**33**	**36**	**33**	**32**	**32**	**39**	**29**	**34**	**33**	**46**	**33**
46	1881–85	28	32	30	37	33	35	33	31	31	38	29	34	33	45	33
	1886–90	26	30	28	35	31	34	32	31	30	37	28	33	32	43	32
	1891–95	27	33	32	34	35	39	35	33	33	41	31	34	34	48	35
	1881–95	**27**	**32**	**30**	**36**	**33**	**36**	**33**	**32**	**32**	**38**	**29**	**34**	**33**	**45**	**33**
47	1881–85	28	32	30	37	33	35	33	31	31	38	29	34	33	45	33
	1886–90	25	30	28	34	31	34	31	31	30	37	28	33	32	42	32
	1891–95	27	33	32	37	35	39	35	33	33	41	31	34	34	48	35
	1881–95	**27**	**32**	**30**	**36**	**33**	**36**	**33**	**32**	**31**	**38**	**29**	**34**	**33**	**45**	**33**
48	1881–85	28	32	29	36	32	35	33	31	31	37	29	33	32	44	33
	1886–90	25	30	28	34	30	33	31	31	30	36	28	33	32	42	32
	1891–95	27	32	32	37	35	39	35	33	33	40	31	34	34	48	35
	1881–95	**27**	**32**	**30**	**36**	**32**	**36**	**33**	**32**	**31**	**38**	**29**	**33**	**33**	**45**	**33**
49	1881–85	28	32	29	36	32	34	33	31	31	37	29	33	32	44	33
	1886–90	25	30	28	34	30	33	31	30	30	36	28	33	31	42	31
	1891–95	27	33	32	37	35	38	35	33	33	40	31	34	34	47	35
	1881–95	**27**	**31**	**30**	**36**	**32**	**35**	**33**	**31**	**31**	**38**	**29**	**33**	**32**	**45**	**33**
50	1881–85	28	32	29	36	32	34	33	31	31	37	29	33	32	44	33
	1886–90	25	30	28	34	30	33	31	30	30	36	28	33	31	42	31
	1891–95	27	32	32	37	34	38	35	33	33	40	31	34	34	47	35
	1881–95	**27**	**31**	**30**	**36**	**32**	**35**	**33**	**31**	**31**	**38**	**29**	**33**	**32**	**44**	**33**
51	1881–85	28	32	29	35	32	34	32	30	30	37	29	33	32	43	32
	1886–90	25	29	28	34	30	33	31	30	29	36	28	33	31	42	31
	1891–95	27	32	32	37	34	38	35	32	33	40	31	34	34	47	35
	1881–95	**27**	**31**	**29**	**35**	**32**	**35**	**32**	**31**	**31**	**37**	**29**	**33**	**32**	**44**	**32**
52	1881–85	27	32	29	35	31	34	32	30	30	36	28	33	31	43	32
	1886–90	25	30	28	34	30	33	31	30	29	36	27	32	31	42	31
	1891–95	26	32	31	36	34	38	34	32	32	40	30	33	33	46	34
	1881–95	**26**	**31**	**29**	**35**	**32**	**35**	**32**	**31**	**30**	**37**	**29**	**33**	**32**	**44**	**32**

WEEKLY WEATHER REPORT, 1895.

VOL. XII. APPENDIX IV.] [*Price 9d.*

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Mean Weekly Values.														
1	1881–85	38·9	36·6	38·6	39·3	38·9	40·7	38·8	39·0	39·5	42·7	41·0	43·2	41·1	44·6	40·0
	1886–90	39·4	38·4	36·9	34·8	35·2	37·4	36·5	39·6	38·3	40·1	40·3	42·1	40·1	43·9	38·3
	1891–95	31·9	30·8	31·3	29·2	29·3	30·5	30·2	32·7	32·6	33·0	33·8	34·8	33·4	37·9	31·8
	1881–95	**36·7**	**35·3**	**35·6**	**34·4**	**34·4**	**36·2**	**35·2**	**37·1**	**36·8**	**38·6**	**38·4**	**40·0**	**38·2**	**42·1**	**36·7**
2	1881–85	37·5	37·7	37·2	36·3	36·6	38·4	37·2	38·8	38·6	41·2	39·9	41·7	40·0	43·8	38·6
	1886–90	38·2	36·4	37·2	36·1	35·8	37·6	36·6	38·9	38·3	39·9	40·0	41·5	39·7	43·4	38·2
	1891–95	35·1	32·9	33·5	31·4	31·9	33·4	32·6	37·7	34·9	35·8	37·0	37·8	36·6	40·2	34·6
	1881–95	**36·9**	**35·7**	**36·0**	**34·6**	**34·8**	**36·5**	**35·5**	**37·8**	**37·3**	**39·0**	**39·0**	**40·3**	**38·7**	**42·4**	**37·1**
3	1881–85	38·9	38·1	37·6	35·3	35·8	36·9	36·7	38·7	38·3	38·9	38·7	39·9	38·9	41·0	37·8
	1886–90	39·6	39·5	39·6	38·3	39·5	40·2	39·4	41·5	40·8	42·6	42·5	44·2	42·3	45·0	40·9
	1891–95	37·7	36·7	36·9	36·5	37·1	38·9	37·2	39·0	38·6	41·2	39·6	41·9	40·1	44·7	38·7
	1881–95	**38·7**	**38·1**	**38·0**	**36·7**	**37·5**	**38·7**	**37·8**	**39·8**	**39·2**	**40·9**	**40·3**	**42·0**	**40·4**	**43·6**	**39·1**
4	1881–85	37·7	36·0	36·5	37·3	37·0	39·3	37·2	38·5	38·1	42·3	39·9	42 5	40·3	43·7	38·8
	1886–90	38·9	38·9	38·6	37·7	38·3	39·2	38·5	39·7	39·5	40·3	40·6	41·5	40·3	43·6	39·4
	1891–95	39·0	39·0	40·1	39·9	40·5	41·1	40·1	41·2	41·3	42·5	41·4	43·1	41·9	45·5	41·0
	1881–95	**38·5**	**37·9**	**38·4**	**38·3**	**38·6**	**39·9**	**38·6**	**39·8**	**39·6**	**41·7**	**40·7**	**42·4**	**40·8**	**44·3**	**39·7**
5	1881–85	38·8	39·0	39·9	40·6	40·9	42·2	40·5	40·7	41·2	43·6	41·3	43·3	42·0	45·2	41·3
	1886–90	38·7	39·3	39·9	39·2	39·8	41·1	39·9	40·8	40·6	41·9	41·1	42·4	41·4	44·8	40·7
	1891–95	38·0	37·0	38·5	38·1	38·9	39·6	38·4	39·5	39·7	40·7	40·4	42·4	40·5	45·6	39·5
	1881–95	**38·5**	**38·5**	**39·4**	**39·3**	**39·9**	**41·0**	**39·6**	**40·3**	**40·5**	**42·1**	**40·9**	**42·7**	**41·3**	**44·5**	**40·5**
6	1881–85	39·1	39·4	39·9	40·5	41·0	42·6	40·7	40·8	41·3	43·9	41·8	43·9	42·3	45·0	41·5
	1886–90	36·0	35·5	36·0	35·7	35·9	36·8	36·0	36·7	36·6	38·2	38·2	39·7	37·9	41·7	37·0
	1891–95	38·4	37·9	38·5	37·6	38·0	38·7	38·1	39·6	40·2	40·3	40·8	43·0	40·8	42·9	39·5
	1881–95	**37·9**	**37·6**	**38·1**	**37·9**	**38·3**	**39·3**	**38·2**	**39·1**	**39·4**	**40·8**	**40·3**	**42·2**	**40·4**	**43·2**	**39·3**
7	1881–85	38·8	39·7	40·8	41·6	42·0	43·3	41·5	41·1	41·9	44·3	42·0	44·0	42·7	46·5	42·1
	1886–90	36·8	36·8	37·4	35·3	36·1	36·6	36·4	38·2	37·5	38·3	39·8	41·2	39·0	41·5	37·7
	1891–95	34·2	32·9	34·6	34·2	34·0	36·7	34·5	35·4	36·6	38·4	38·0	40·2	37·7	41·9	36·1
	1881–95	**36·6**	**36·5**	**37·6**	**37·1**	**37·4**	**38·9**	**37·5**	**38·2**	**38·7**	**40·3**	**39·9**	**41·9**	**39·8**	**43·3**	**38·7**
8	1881–85	38·9	39·9	40·6	40·7	40·5	41·9	40·7	40·7	40·6	42·4	41·9	42·7	41·7	44·8	41·2
	1886–90	38·5	37·5	37·7	36·0	36·7	37·5	37·1	39·0	38·3	39·2	40·6	41·9	39·8	42·6	38·5
	1891–95	38·2	36·1	37·0	36·6	36·4	38·4	36·9	38·3	38·6	40·0	40·1	41·5	39·7	43·3	38·3
	1881–95	**38·5**	**37·9**	**38·4**	**37·8**	**37·9**	**39·3**	**38·3**	**39·3**	**39·2**	**40·5**	**40·9**	**42·0**	**40·4**	**43·6**	**39·4**
9	1881–85	38·6	38·6	39·6	40·5	41·4	42·6	40·5	39·8	41·1	43·9	42·3	45·3	42·5	45·6	41·5
	1886–90	36·4	35·7	35·2	33·2	33·8	34·4	34·5	36·7	35·3	36·5	38·1	39·2	37·2	40·1	35·9
	1891–95	36·8	36·8	39·4	40·1	40·1	40·7	39·4	38·9	40·0	41·4	40·4	42·0	40·5	43·6	40·0
	1881–95	**37·3**	**37·0**	**38·0**	**37·9**	**38·4**	**39·2**	**38·1**	**38·4**	**38·8**	**40·6**	**40·3**	**42·2**	**40·1**	**43·1**	**39·1**

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TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Mean Weekly Values.														
10	1881–85	38·9	40·1	40·5	41·4	41·5	42·5	41·2	41·4	41·4	43·0	42·2	43·8	42·4	45·0	41·8
	1886–90	35·0	35·8	36·8	36·8	36·9	38·1	36·9	37·5	37·3	38·8	39·4	40·3	38·7	42·1	37·8
	1891–95	35·8	36·8	37·7	37·8	37·4	38·4	37·6	37·9	38·1	38·9	38·9	40·6	38·9	42·2	38·3
	1881–95	**36·6**	**37·6**	**38·3**	**38·7**	**38·6**	**39·6**	**38·6**	**38·9**	**38·9**	**40·2**	**40·2**	**41·6**	**40·0**	**43·1**	**39·3**
11	1881–85	40·7	42·0	42·2	42·1	42·4	43·4	42·4	42·2	42·7	43·5	42·7	44·1	43·0	45·9	42·7
	1886–90	37·0	36·7	37·3	36·2	37·1	37·8	37·0	38·1	37·4	38·6	39·6	40·8	38·9	41·0	38·0
	1891–95	37·9	38·1	40·0	41·4	41·1	42·1	40·5	39·6	41·0	42·3	41·5	43·2	41·5	45·6	41·0
	1881–95	**38·5**	**38·9**	**39·8**	**39·9**	**40·2**	**41·1**	**40·0**	**40·0**	**40·4**	**41·5**	**41·3**	**42·7**	**41·2**	**44·2**	**40·6**
12	1881–85	37·0	38·8	39·2	39·6	39·4	41·2	39·6	39·6	39·7	41·9	40·6	42·4	40·8	44·2	40·2
	1886–90	39·2	39·8	40·9	41·8	41·7	42·1	41·3	40·8	41·4	42·3	41·6	42·7	41·8	44·5	41·6
	1891–95	42·3	42·9	43·3	42·1	42·9	43·3	42·9	43·5	43·6	44·4	44·9	45·6	44·4	46·3	43·7
	1881–95	**39·5**	**40·5**	**41·1**	**41·2**	**41·3**	**42·2**	**41·3**	**41·3**	**41·6**	**42·9**	**42·4**	**43·6**	**42·4**	**45·0**	**41·9**
13	1881–85	38·7	39·7	39·8	41·1	40·9	42·8	40·9	40·7	40·9	43·1	41·4	43·1	41·8	45·2	41·4
	1886–90	41·6	43·1	44·2	44·9	44·8	45·1	44·4	43·4	44·1	45·1	44·7	45·9	44·6	47·0	44·5
	1891–95	41·0	40·8	42·0	43·0	43·3	45·0	42·8	42·3	43·5	45·5	43·9	45·5	44·1	47·9	43·5
	1881–95	**40·4**	**41·2**	**42·0**	**43·0**	**43·0**	**44·3**	**42·7**	**42·1**	**42·8**	**44·6**	**43·3**	**44·8**	**43·5**	**46·7**	**43·1**
14	1881–85	42·2	43·0	42·9	45·0	45·1	46·4	44·5	43·8	44·2	45·4	44·4	45·4	44·6	47·3	44·6
	1886–90	39·7	40·5	40·8	41·5	41·6	43·0	41·5	41·2	41·7	43·1	42·2	43·4	42·3	45·3	41·9
	1891–95	43·3	42·8	43·2	44·9	45·8	47·5	44·8	45·1	45·9	48·1	46·3	47·5	46·6	49·8	45·7
	1881–95	**41·7**	**42·1**	**42·3**	**43·8**	**44·2**	**45·6**	**43·6**	**43·4**	**43·9**	**45·5**	**44·3**	**45·4**	**44·5**	**47·5**	**44·1**
15	1881–85	41·6	42·9	43·4	44·9	45·6	46·6	44·7	44·8	45·5	46·9	45·6	46·7	45·9	48·4	45·3
	1886–90	40·7	41·7	41·7	42·6	42·7	43·6	42·5	42·6	42·6	43·9	43·8	45·0	43·6	46·0	43·1
	1891–95	41·8	42·0	42·9	44·5	44·5	46·2	44·0	44·0	44·8	46·5	45·5	46·9	45·5	48·4	44·8
	1881–95	**41·4**	**42·2**	**42·7**	**44·0**	**44·3**	**45·5**	**43·7**	**43·8**	**44·3**	**45·8**	**45·0**	**46·2**	**45·0**	**47·6**	**44·4**
16	1881–85	42·8	44·3	44·2	44·8	44·9	46·3	44·9	44·9	44·8	45·7	46·1	46·7	45·6	47·5	45·3
	1886–90	42·8	43·4	44·3	45·8	45·7	46·8	45·2	44·9	45·2	46·4	45·3	46·6	45·7	48·0	45·5
	1891–95	44·3	44·1	44·8	46·5	47·3	48·5	46·2	46·2	47·1	48·1	47·3	48·8	47·5	49·8	46·9
	1881–95	**43·3**	**43·9**	**44·4**	**45·7**	**46·0**	**47·2**	**45·4**	**45·3**	**45·7**	**46·7**	**46·2**	**47·4**	**46·3**	**48·4**	**45·9**
17	1881–85	43·3	45·0	45·5	46·8	46·7	47·5	46·3	45·1	45·9	46·8	46·4	47·1	46·3	48·5	46·3
	1886–90	42·7	43·3	43·9	45·1	45·6	47·0	45·0	44·6	45·3	46·5	45·4	46·8	45·7	48·6	45·4
	1891–95	45·2	46·0	46·7	48·5	48·4	49·6	47·8	47·4	48·2	49·4	47·6	49·5	48·4	51·3	48·1
	1881–95	**43·8**	**44·8**	**45·4**	**46·8**	**46·9**	**48·0**	**46·4**	**45·7**	**46·5**	**47·6**	**46·5**	**47·8**	**46·8**	**49·5**	**46·6**
18	1881–85	43·4	45·4	45·7	47·8	47·6	49·2	47·1	46·1	46·8	47·9	47·0	48·3	47·2	49·7	47·2
	1886–90	45·6	46·8	46·8	48·4	49·0	50·0	48·2	48·0	48·5	49·0	48·7	49·4	48·7	50·2	48·5
	1891–95	45·8	46·4	46·8	47·5	48·5	49·2	47·7	47·7	48·4	49·2	48·7	50·0	48·8	50·8	48·3
	1881–95	**44·9**	**46·2**	**46·4**	**47·9**	**48·3**	**49·5**	**47·7**	**47·3**	**47·9**	**48·7**	**48·2**	**49·2**	**48·3**	**50·2**	**48·0**
19	1881–85	43·9	46·6	47·5	48·8	48·9	49·9	48·3	46·6	47·7	49·1	47·8	49·0	48·0	50·8	48·2
	1886–90	47·7	49·1	48·8	50·6	51·2	52·0	50·3	50·3	50·5	51·4	50·2	51·5	50·8	52·3	50·6
	1891–95	48·9	49·4	49·6	51·6	52·1	53·4	51·2	51·0	51·9	53·2	51·4	52·5	52·0	53·7	51·6
	1881–95	**46·8**	**48·4**	**48·6**	**50·3**	**50·7**	**51·7**	**49·9**	**49·3**	**50·0**	**51·3**	**49·8**	**51·0**	**50·3**	**52·2**	**50·1**
20	1881–85	45·6	48·3	49·5	51·0	51·2	52·6	50·5	49·5	50·4	51·3	50·1	51·5	50·6	52·6	50·6
	1886–90	47·0	48·5	49·2	50·8	51·0	52·4	50·4	49·4	50·1	51·1	49·0	50·5	50·0	52·3	50·2
	1891–95	46·3	47·3	48·2	51·4	50·9	53·0	50·2	49·4	50·3	51·6	50·0	52·0	50·7	53·1	50·5
	1881–95	**46·3**	**48·0**	**49·0**	**51·0**	**51·0**	**52·7**	**50·3**	**49·5**	**50·3**	**51·3**	**49·7**	**51·3**	**50·4**	**52·6**	**50·4**

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Mean Weekly Values.														
21	1881-85	49·5	52·2	52·6	54·5	54·4	55·4	53·8	52·5	53·5	53·5	52·2	53·4	53·0	54·7	53·4
	1886-90	50·1	51·4	50·7	53·3	53·0	55·0	52·7	53·1	53·4	54·1	53·3	54·0	53·6	54·1	53·2
	1891-95	47·7	49·0	49·7	52·2	51·8	53·2	51·2	50·0	50·9	51·8	50·4	51·6	50·9	53·4	51·1
	1881-95	**49·1**	**50·9**	**51·0**	**53·4**	**53·1**	**54·5**	**52·6**	**51·9**	**52·6**	**53·1**	**51·9**	**53·0**	**52·5**	**54·1**	**52·6**
22	1881-85	50·0	53·4	53·9	55·0	55·1	56·4	54·8	53·3	54·2	55·1	53·7	54·6	54·2	55·3	54·5
	1886-90	47·5	49·2	50·8	54·6	53·2	55·1	52·6	50·2	51·7	53·6	51·4	52·7	51·9	54·7	52·3
	1891-95	50·5	51·3	52·6	54·2	54·7	55·4	53·6	52·8	54·5	54·4	53·2	54·3	53·8	56·4	53·7
	1881-95	**49·3**	**51·3**	**52·5**	**54·6**	**54·3**	**55·6**	**53·7**	**52·1**	**53·5**	**54·4**	**52·8**	**53·9**	**53·3**	**55·5**	**53·5**
23	1881-85	47·8	51·0	51·8	54·2	54·0	55·3	53·3	51·7	52·8	54·0	52·1	53·3	52·8	54·6	53·1
	1886-90	50·1	52·7	54·0	56·1	55·9	56·9	55·1	52·8	54·5	55·8	53·5	55·4	54·4	56·4	54·8
	1891-95	52·8	53·4	53·3	55·3	56·3	56·9	55·0	55·4	55·7	57·0	55·8	57·4	56·3	57·4	55·7
	1881-95	**50·2**	**52·4**	**53·1**	**55·2**	**55·4**	**56·4**	**54·5**	**53·3**	**54·3**	**55·6**	**53·8**	**55·4**	**54·5**	**56·1**	**54·5**
24	1881-85	49·3	53·5	54·7	55·3	55·7	56·6	55·2	53·3	54·6	55·3	53·7	54·6	54·3	55·9	54·8
	1886-90	52·3	54·9	55·3	56·4	56·7	57·4	56·1	55·6	56·2	57·0	56·1	57·4	56·5	57·7	56·3
	1891-95	51·3	53·3	53·6	55·0	55·4	57·2	54·9	54·4	55·1	56·6	55·2	56·2	55·5	57·9	55·2
	1881-95	**50·9**	**53·9**	**54·6**	**55·5**	**55·9**	**57·1**	**55·4**	**54·3**	**55·3**	**56·3**	**55·0**	**56·1**	**55·4**	**57·2**	**55·4**
25	1881-85	51·0	54·6	55·3	56·8	56·3	57·6	56·1	54·2	55·6	56·1	54·5	55·3	55·1	57·2	55·6
	1886-90	53·0	55·4	54·3	56·2	57·1	57·9	56·2	57·4	57·5	58·3	58·2	59·7	58·2	57·5	57·2
	1891-95	52·7	53·6	55·6	58·0	57·5	58·6	56·7	55·3	56·6	57·4	55·9	57·5	56·5	59·5	56·6
	1881-95	**52·2**	**54·5**	**55·1**	**57·0**	**57·0**	**58·0**	**56·3**	**55·6**	**56·6**	**57·3**	**56·2**	**57·5**	**56·6**	**58·1**	**56·5**
26	1881-85	53·7	57·5	57·9	60·5	59·8	60·9	59·3	57·4	58·1	58·3	57·2	58·1	57·8	59·0	58·6
	1886-90	53·4	56·4	57·7	60·0	59·9	60·5	58·9	56·4	57·9	59·0	56·9	58·9	57·8	59·7	58·4
	1891-95	55·5	57·2	58·9	60·3	60·5	61·2	59·6	57·9	59·7	59·9	58·9	59·6	59·2	61·3	59·4
	1881-95	**54·2**	**57·0**	**58·2**	**60·3**	**60·1**	**60·9**	**59·3**	**57·2**	**58·6**	**59·1**	**57·7**	**58·8**	**58·3**	**60·0**	**58·8**
27	1881-85	54·8	58·3	59·9	61·3	60·5	61·1	60·2	58·0	59·0	58·5	58·1	58·1	58·3	59·7	59·3
	1886-90	52·5	55·7	57·7	59·5	59·6	60·4	58·6	56·8	58·0	59·6	57·6	59·3	58·3	60·6	58·5
	1891-95	56·1	57·2	58·7	61·0	60·4	61·4	59·7	57·7	59·7	59·3	57·2	58·5	58·5	61·0	59·1
	1881-95	**54·5**	**57·1**	**58·8**	**60·6**	**60·1**	**61·0**	**59·5**	**57·5**	**58·9**	**59·1**	**57·6**	**58·6**	**58·3**	**60·4**	**58·9**
28	1881-85	54·9	58·5	60·5	62·2	60·5	62·0	60·7	57·6	58·8	58·6	57·2	57·9	58·0	60·2	59·4
	1886-90	51·4	54·7	56·4	58·4	57·6	59·2	57·3	54·9	56·6	57·8	55·4	56·9	56·3	59·6	56·8
	1891-95	54·9	56·1	57·5	59·3	58·7	60·3	58·4	56·9	58·2	58·9	57·2	58·3	57·9	61·0	58·2
	1881-95	**53·7**	**56·4**	**58·1**	**60·0**	**59·0**	**60·5**	**58·8**	**56·5**	**57·9**	**58·4**	**56·6**	**57·7**	**57·4**	**60·3**	**58·1**
29	1881-85	52·5	55·4	57·0	59·2	58·0	60·0	57·9	55·1	56·5	58·1	55·2	56·8	56·3	59·3	57·1
	1886-90	53·1	56·2	58·1	60·0	59·5	60·8	58·9	56·5	58·3	59·2	56·8	58·5	57·9	60·4	58·4
	1891-95	54·3	55·9	57·4	58·7	57·9	59·8	57·9	56·2	57·6	58·2	56·7	57·9	57·3	60·2	57·6
	1881-95	**53·3**	**55·8**	**57·5**	**59·3**	**58·5**	**60·2**	**58·3**	**55·9**	**57·5**	**58·5**	**56·2**	**57·7**	**57·2**	**60·0**	**57·8**
30	1881-85	53·1	56·0	57·2	58·7	59·0	60·3	58·2	56·7	57·8	59·1	56·8	58·5	57·8	60·0	58·0
	1886-90	53·9	56·3	58·1	60·1	59·1	60·7	58·9	56·7	58·1	58·9	56·8	58·5	57·8	60·4	58·4
	1891-95	55·1	56·0	57·2	59·2	58·7	60·4	58·3	56·8	58·4	59·2	57·4	58·6	58·1	60·8	58·2
	1881-95	**54·0**	**56·1**	**57·5**	**59·3**	**59·0**	**60·5**	**58·5**	**56·7**	**58·1**	**59·1**	**57·0**	**58·5**	**57·9**	**60·4**	**58·2**
31	1881-85	54·1	57·8	59·1	61·0	60·4	62·1	60·1	58·1	59·2	60·1	58·8	59·9	59·2	61·3	59·7
	1886-90	53·9	56·3	58·2	59·8	59·3	60·9	58·9	56·1	58·2	59·0	56·9	58·5	57·7	61·2	58·3
	1891-95	54·7	56·2	57·5	58·6	58·1	60·1	58·1	57·0	57·9	58·7	57·3	58·6	57·9	60·3	58·0
	1881-95	**54·3**	**56·8**	**58·2**	**59·8**	**59·3**	**61·0**	**59·0**	**57·1**	**58·4**	**59·3**	**57·6**	**59·0**	**58·3**	**60·9**	**58·7**

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Mean Weekly Values.														
32	1881–85	54·6	57·8	58·3	59·7	59·5	61·5	59·4	57·8	59·0	59·4	57·7	58·3	58·4	61·4	58·9
	1886–90	53·1	56·1	58·1	60·3	59·3	61·1	59·0	56·3	58·0	59·2	57·2	58·9	57·9	60·8	58·5
	1891–95	55·6	57·0	58·8	60·6	59·6	61·4	59·5	57·2	59·2	59·3	57·9	59·4	58·6	62·0	59·1
	1881–95	**54·4**	**57·0**	**58·4**	**60·2**	**59·5**	**61·3**	**59·3**	**57·1**	**58·7**	**59·3**	**57·6**	**58·9**	**58·3**	**61·4**	**58·8**
33	1881–85	53·7	56·7	58·4	60·1	58·9	60·7	59·0	56·1	57·6	58·6	56·5	57·2	57·2	60·7	58·1
	1886–90	52·2	54·1	56·0	57·7	57·1	59·2	56·8	55·1	56·5	57·6	55·8	57·0	56·4	60·1	56·6
	1891–95	56·5	58·0	59·9	61·7	60·9	62·5	60·6	58·2	60·2	60·0	58·7	59·7	59·4	62·8	60·0
	1881–95	**54·1**	**56·3**	**58·1**	**59·8**	**59·0**	**60·8**	**58·8**	**56·5**	**58·1**	**58·7**	**57·0**	**58·0**	**57·7**	**61·2**	**58·3**
34	1881–85	52·9	56·1	56·8	58·6	57·7	60·0	57·8	55·6	57·4	58·8	55·9	57·5	57·0	60·8	57·4
	1886–90	54·1	56·4	57·6	59·3	58·7	60·4	58·5	56·3	58·1	58·9	56·9	58·3	57·7	60·4	58·1
	1891–95	55·0	56·1	58·5	60·0	58·9	61·1	58·9	56·7	58·9	59·3	56·7	58·0	57·9	62·4	58·4
	1881–95	**54·0**	**56·2**	**57·6**	**59·3**	**58·4**	**60·5**	**58·4**	**56·2**	**58·2**	**59·0**	**56·5**	**57·9**	**57·6**	**61·2**	**58·0**
35	1881–85	50·4	52·7	54·8	56·9	55·7	58·3	55·7	53·4	54·8	56·9	54·1	55·8	55·0	59·1	55·4
	1886–90	53·0	55·1	56·9	58·4	57·4	59·6	57·5	55·0	56·7	57·6	55·4	56·8	56·3	60·0	56·9
	1891–95	52·5	53·9	56·7	58·3	57·4	59·6	57·2	54·8	57·1	57·9	55·4	56·7	56·4	61·2	56·8
	1881–95	**52·0**	**53·9**	**56·1**	**57·9**	**56·8**	**59·2**	**56·8**	**54·4**	**56·2**	**57·5**	**55·0**	**56·4**	**55·9**	**60·1**	**56·4**
36	1881–85	51·6	53·4	54·0	55·3	54·5	57·0	54·8	53·6	54·5	55·8	53·5	55·1	54·5	58·2	54·7
	1886–90	52·7	54·3	56·4	58·4	57·1	59·0	57·0	55·0	56·7	57·3	55·9	57·1	56·4	59·3	56·7
	1891–95	52·8	54·2	56·0	57·1	56·9	58·8	56·6	54·6	57·2	58·0	55·7	56·4	56·4	61·1	56·5
	1881–95	**52·4**	**53·9**	**55·5**	**56·9**	**56·2**	**58·3**	**56·2**	**54·4**	**56·1**	**57·0**	**55·1**	**56·2**	**55·8**	**59·5**	**56·0**
37	1881–85	52·1	53·5	54·7	56·9	55·9	57·8	55·8	54·3	55·4	56·2	54·1	54·9	55·0	58·1	55·4
	1886–90	52·5	54·2	55·6	57·2	56·6	58·5	56·4	54·1	56·1	57·4	55·6	56·6	56·0	60·1	56·2
	1891–95	52·9	54·2	55·7	56·8	55·8	58·3	56·2	54·5	56·6	56·9	55·2	56·0	55·8	59·9	56·0
	1881–95	**52·5**	**54·0**	**55·3**	**57·0**	**56·1**	**58·2**	**56·1**	**54·3**	**56·0**	**56·8**	**55·0**	**55·8**	**55·6**	**59·4**	**55·9**
38	1881–85	50·9	53·2	55·2	57·1	56·9	58·4	56·2	54·1	56·3	57·5	54·4	55·5	55·6	59·2	55·9
	1886–90	51·1	51·7	52·4	54·8	53·0	55·9	53·6	52·1	53·5	55·1	53·0	54·2	53·6	58·6	53·6
	1891–95	49·6	50·5	53·3	55·2	53·8	56·6	53·9	51·7	53·8	55·3	52·7	53·8	53·5	58·6	53·7
	1881–95	**50·5**	**51·8**	**53·6**	**55·7**	**54·6**	**57·0**	**54·5**	**52·6**	**54·5**	**56·0**	**53·4**	**54·5**	**54·2**	**58·8**	**54·4**
39	1881–85	49·7	51·5	52·4	52·4	51·9	53·7	52·4	51·7	52·6	53·4	51·4	52·6	52·3	56·1	52·4
	1886–90	48·9	49·2	50·9	52·1	51·1	53·8	51·4	50·7	51·5	53·3	51·4	52·9	52·0	55·9	51·7
	1891–95	49·8	50·6	53·1	54·6	53·9	56·8	53·8	52·0	54·5	55·5	53·0	54·2	53·8	59·4	53·8
	1881–95	**49·1**	**50·4**	**52·1**	**53·0**	**52·3**	**54·7**	**52·5**	**51·5**	**52·9**	**54·1**	**51·9**	**53·2**	**52·7**	**57·2**	**52·6**
40	1881–85	48·5	50·1	50·1	49·8	49·0	51·0	50·0	49·8	50·2	51·2	50·0	51·3	50·5	54·4	50·3
	1886–90	46·5	48·1	49·7	51·1	50·1	52·4	50·3	49·2	50·5	51·8	50·1	51·2	50·6	54·8	50·5
	1891–95	48·9	48·3	49·9	52·2	50·3	53·5	50·8	49·3	51·1	52·1	49·8	50·6	50·6	56·1	50·7
	1881–95	**48·0**	**48·8**	**49·9**	**51·1**	**49·8**	**52·3**	**50·4**	**49·5**	**50·6**	**51·7**	**50·0**	**51·1**	**50·6**	**55·1**	**50·5**
41	1881–85	45·6	46·5	47·4	48·6	47·3	49·4	47·8	47·4	48·3	49·9	47·3	49·2	48·4	53·0	48·1
	1886–90	46·4	47·6	48·4	48·8	47·7	49·6	48·4	48·1	49·1	49·5	48·7	49·4	49·0	53·1	48·7
	1891–95	46·9	47·0	49·4	50·6	49·5	52·0	49·7	48·8	50·5	51·0	48·1	49·1	49·5	54·4	49·6
	1881–95	**46·3**	**47·0**	**48·4**	**49·3**	**48·2**	**50·4**	**48·7**	**48·1**	**49·3**	**50·2**	**48·0**	**49·2**	**49·0**	**53·5**	**48·9**
42	1881–85	45·8	46·7	47·5	47·9	47·5	49·5	47·8	47·9	48·2	50·1	48·1	49·4	48·7	52·5	48·3
	1886–90	46·8	47·1	47·6	47·2	46·5	48·7	47·4	48·4	48·4	49·4	48·9	49·9	49·0	52·4	48·2
	1891–95	44·2	44·5	46·6	48·1	46·8	49·2	47·0	45·6	47·6	48·8	46·4	47·9	47·3	53·0	47·2
	1881–95	**45·6**	**46·1**	**47·2**	**47·7**	**46·9**	**49·1**	**47·4**	**47·3**	**48·1**	**49·5**	**47·3**	**49·1**	**48·4**	**52·6**	**47·9**

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING EACH OF THE THREE LUSTRA AND THE WHOLE PERIOD, COMPREHENDED IN THE FIFTEEN YEARS 1881–95, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing, &c. Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	Channel Islands.	Means for British Islands generally.
		Mean Weekly Values.														
43	1881-85	43·0	42·6	44·8	45·5	44·8	47·0	44·9	44·2	45·6	47·7	44·9	46·5	45·8	50·6	45·4
	1886-90	46·0	46·5	47·8	47·7	46·9	48·9	47·6	47·3	48·1	49·3	47·8	49·1	48·3	52·2	48·0
	1891-95	41·0	41·0	43·6	45·2	43·9	46·8	44·1	42·7	45·0	46·9	43·8	45·3	44·7	51·0	44·4
	1881-95	**43·3**	**43·4**	**45·4**	**46·1**	**45·2**	**47·6**	**45·5**	**44·8**	**46·2**	**48·0**	**45·5**	**47·0**	**46·3**	**51·3**	**45·9**
44	1881-85	44·3	44·6	46·2	46·4	45·8	48·0	46·2	46·6	46·9	49·5	46·8	48·8	47·7	51·6	47·0
	1886-90	44·0	44·2	46·1	46·8	46·5	48·8	46·5	46·0	47·1	48·7	46·5	47·8	47·2	51·7	46·9
	1891-95	41·8	41·3	43·6	44·9	43·9	46·9	44·1	43·6	45·1	46·9	44·8	46·3	45·3	50·4	44·7
	1881-95	**43·4**	**43·3**	**45·3**	**46·0**	**45·4**	**47·9**	**45·6**	**45·4**	**46·4**	**48·3**	**46·0**	**47·7**	**46·8**	**51·2**	**46·2**
45	1881-85	43·4	43·5	44·7	45·0	45·0	47·2	45·1	45·0	46·0	48·3	45·4	47·3	46·4	51·0	45·8
	1886-90	42·8	42·8	44·0	44·1	43·4	45·5	44·0	44·4	44·8	46·4	45·1	46·5	45·4	50·2	44·7
	1891-95	43·5	42·5	44·3	44·6	44·0	46·9	44·5	44·6	45·4	46·7	43·9	45·2	45·2	50·5	44·9
	1881-95	**43·2**	**42·9**	**44·4**	**44·5**	**44·1**	**46·5**	**44·5**	**44·7**	**45·3**	**47·1**	**44·8**	**46·3**	**45·6**	**50·6**	**45·1**
46	1881-85	41·3	40·0	41·6	41·5	40·7	42·9	41·3	41·3	42·2	45·1	42·4	44·9	43·2	48·0	42·3
	1886-90	43·3	42·0	42·5	42·8	42·8	45·2	43·1	43·7	44·0	46·0	44·4	45·8	44·8	49·3	44·0
	1891-95	51·3	40·6	43·7	45·3	44·2	47·6	44·3	43·6	45·0	47·3	42·8	44·8	44·7	50·6	44·5
	1881-95	**41·9**	**40·9**	**42·6**	**43·2**	**42·6**	**45·2**	**42·9**	**42·8**	**43·7**	**46·1**	**43·2**	**45·2**	**44·2**	**49·3**	**43·6**
47	1881-85	39·7	39·1	41·6	42·0	41·4	43·8	41·6	41·4	42·6	45·0	41·7	43·5	42·8	48·3	42·2
	1886-90	42·6	42·6	43·9	44·5	44·8	46·9	44·5	44·8	45·4	47·7	45·3	47·3	46·1	50·4	45·3
	1891-95	40·1	38·9	41·2	40·6	40·3	42·5	40·7	41·4	42·5	44·5	42·4	44·1	43·0	48·0	41·9
	1881-95	**40·8**	**40·2**	**42·2**	**42·4**	**42·2**	**44·4**	**42·3**	**42·5**	**43·5**	**45·8**	**43·1**	**45·0**	**44·0**	**48·9**	**43·2**
48	1881-85	40·1	40·1	40·8	40·6	41·1	42·9	41·1	42·3	42·8	45·8	42·9	45·0	43·8	48·0	42·5
	1886-90	40·1	39·0	40·0	39·1	39·1	40·5	39·5	41·6	41·2	42·0	41·8	42·8	41·9	45·8	40·7
	1891-95	40·6	39·8	41·8	41·8	41·4	43·6	41·7	42·5	42·8	44·5	42·3	43·7	43·2	48·1	42·5
	1881-95	**40·3**	**39·6**	**40·9**	**40·5**	**40·5**	**42·3**	**40·8**	**42·1**	**42·3**	**44·1**	**42·3**	**43·8**	**42·9**	**47·3**	**41·9**
49	1881-85	36·8	36·6	38·1	38·1	37·4	39·6	38·0	37·9	39·2	41·1	37·5	39·4	39·0	45·0	38·5
	1886-90	38·8	38·7	38·6	37·1	38·0	39·5	38·4	41·1	40·3	42·0	41·4	43·4	41·6	44·9	40·0
	1891-95	37·6	36·4	39·3	39·4	39·4	41·5	39·2	40·4	41·2	43·0	40·5	42·8	41·6	46·9	40·4
	1881-95	**37·7**	**37·2**	**38·7**	**38·2**	**38·2**	**40·2**	**38·5**	**39·8**	**40·2**	**42·0**	**39·8**	**41·9**	**40·7**	**45·6**	**39·6**
50	1881-85	38·4	36·4	38·4	39·0	38·6	41·3	38·7	39·0	39·7	42·6	39·2	40·5	40·2	45·4	39·5
	1886-90	38·2	37·0	37·0	36·9	36·3	38·9	37·2	39·0	38·3	41·1	40·0	41·6	40·0	45·1	38·6
	1891-95	40·0	38·5	40·2	40·4	40·7	43·0	40·6	42·2	42·3	45·0	42·3	45·0	43·4	48·2	42·0
	1881-95	**38·9**	**37·3**	**38·5**	**38·8**	**38·5**	**41·1**	**38·8**	**40·1**	**40·1**	**42·9**	**40·5**	**42·4**	**41·2**	**46·2**	**40·0**
51	1881-85	39·8	39·3	39·9	39·4	39·9	41·2	39·9	41·4	41·1	43·3	41·8	41·5	41·8	45·7	40·9
	1886-90	37·3	36·1	36·5	35·9	35·9	37·8	36·4	37·7	37·2	39·8	38·9	39·4	38·6	43·9	37·5
	1891-95	39·6	37·4	37·8	37·8	37·1	39·8	38·0	40·8	39·5	42·1	41·0	43·2	41·3	45·2	39·7
	1881-95	**38·9**	**37·6**	**38·0**	**37·7**	**37·7**	**39·6**	**38·1**	**40·0**	**39·3**	**41·7**	**40·6**	**42·0**	**40·7**	**44·9**	**39·4**
52	1881-85	41·4	39·9	40·0	40·0	40·2	41·7	40·4	41·5	40·8	43·1	42·2	43·5	42·2	45·3	41·3
	1886-90	36·5	34·6	34·8	32·9	33·3	35·3	34·2	37·2	35·9	37·7	37·9	39·1	37·6	42·5	35·9
	1891-95	38·9	36·7	37·3	36·6	36·3	38·8	37·1	40·1	38·9	41·4	40·5	43·5	40·9	45·6	39·0
	1881-95	**38·9**	**37·1**	**37·4**	**36·5**	**36·6**	**38·6**	**37·2**	**39·6**	**38·6**	**40·7**	**40·2**	**42·0**	**40·2**	**44·5**	**38·7**